



 SkillTect

# FULL-STACK WEB DEVELOPER

# INTERNSHIP PROGRAM

***“The Web does not just connect machines, it connects people.”***

**-Tim Berners-Lee**





# HI THERE!

Welcome to SkillTect Technologies Pvt. Ltd., where passion meets innovation and learning transforms into real-world expertise.

Whether you're beginning your tech journey or levelling up your skills – you're in the right place!

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# ABOUT COMPANY

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**Established in 2020 in New Delhi, SkillTect Technologies Private Limited has rapidly grown into a leading technology training and consulting company. With a vision to equip learners and professionals with the skills required in today's digital era, SkillTect has been at the forefront of delivering high-quality programs in Cloud Engineering, DevOps, Big Data, Python, Artificial Intelligence, full stack development and Database Technologies. Our comprehensive, industry-aligned curriculum is designed to bridge the gap between academic learning and real-world requirements, ensuring every learner becomes job-ready and future-ready.**

**Since our inception, we have earned a strong reputation for our practical training approach, expert mentors, and commitment to excellence. Over the years, SkillTect has expanded its presence beyond Delhi to major tech-driven cities such as Bangalore and Jodhpur, strengthening our reach and enabling more students to access industry-standard training. Our dedicated team of professionals brings deep expertise and hands-on experience to every module, empowering learners to work on real projects and build confidence for competitive environments. As we continue to grow, we remain committed to empowering individuals and organizations through transformative learning solutions that drive innovation, skill development, and long-term success.**

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# WELCOME MESSAGE



Welcome to SkillTect Technologies,

Thank you for choosing to begin your professional journey with us. At SkillTect, we take immense pride in creating programs that are aligned with the dynamic and ever-transforming needs of the technology industry. From the very beginning, our goal has been to build a learning ecosystem that blends knowledge with real-world application, ensuring that every learner who joins us is truly prepared for a successful career.

This internship program has been thoughtfully designed to enhance your technical capabilities, strengthen your fundamentals, and provide you with a holistic learning experience. You will be exposed to industry-leading tools, enterprise-level workflows, and project environments that mirror what happens inside top tech companies today. Our curriculum is not just about teaching you technologies – it is about developing your problem-solving ability, analytical thinking, team collaboration, and professional communication skills.

Over the next few months, you will work closely with our expert mentors who bring years of industry expertise to the table. Their guidance, combined with your dedication, will open doors to new possibilities and prepare you for roles across Cloud Engineering, DevOps, Big Data, AI/ML, Database Management, and Software Development. We strongly believe that the skills you learn here will empower you to adapt, innovate, and excel in any technical environment.

As you begin this journey, I encourage you to stay committed, stay curious, and stay confident. Learning is a continuous process, and this internship is the foundation on which your future career will be built. We are honored to be a part of your growth, and we look forward to seeing you achieve great milestones.

Warm Regards,  
Manish Sharma  
Co-Founder, SkillTect Technologies Pvt. Ltd.

# OUR VISION

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## BUILDING FUTURE-READY TECHNOLOGY PROFESSIONALS

At SkillTect Technologies, our vision is to become a globally trusted leader in technology education and transformation. We aim to empower learners, professionals, and organizations by equipping them with cutting-edge skills that match the evolving demands of the digital world. With a strong focus on practical training, innovation, and industry relevance, we aspire to create a skilled future workforce capable of driving technological excellence across industries. Our vision is to be the preferred destination for individuals seeking impactful, career-oriented technology learning.

## EMPOWERING INDIA'S TECH TALENT FOR GLOBAL IMPACT

Our vision at SkillTect is to unlock the full potential of tech talent across India and beyond by offering a platform that combines high-quality training with real-world experience. We strive to build a community of innovators who can contribute meaningfully to the global IT ecosystem. By expanding our presence to key cities like Delhi, Bangalore, and Jodhpur, we aim to make advanced technology education accessible to all. Our long-term vision is to inspire, nurture, and elevate the next generation of engineers, developers, and leaders who will shape the digital future.



# OUR MISSION

## **DELIVERING INDUSTRY-ALIGNED, PRACTICAL TECH EDUCATION**

Our mission is to bridge the gap between academic learning and real industry expectations by offering hands-on, project-driven training programs. At SkillTect Technologies, we are committed to delivering high-quality curriculum built around Cloud Computing, DevOps, Big Data, Python, AI/ML, Full Stack Development and Database Technologies. We aim to create job-ready professionals who possess not only technical knowledge but also the confidence and skillset required to thrive in competitive environments. Our mission is to ensure every learner graduates with practical experience and a clear path toward career success.

## **TRANSFORMING CAREERS THROUGH INNOVATION & MENTORSHIP**

SkillTect's mission is rooted in empowering individuals to transform their careers through innovative learning experiences, expert mentorship, and real-time project exposure. We believe in continuous upskilling, adaptability, and a growth-driven mindset. By providing access to experienced trainers, industry experts, and advanced tools, we ensure our learners develop strong technical foundations and problem-solving abilities. Our mission is to cultivate a culture of learning, innovation, and excellence, enabling students to build impactful, future-driven careers in the ever-evolving world of technology.

# WHY CHOOSE SKILLTECT

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- **Industry-relevant curriculum aligned with modern IT job roles.**
- **Hands-on learning with real tools, labs, and projects.**
- **Expert trainers & mentors from leading tech companies.**
- **Placement support including resume building & mock interviews.**
- **Real-world projects to build a strong professional portfolio.**
- **Certification upon successful completion.**
- **100% Job Assistance**
- **Beginner-friendly & advanced tracks for all learning levels.**
- **Presence in Delhi, Bangalore & Jodhpur for wider accessibility.**

# INTERNSHIP PROGRAM STRUCTURE

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## **4-Month MERN Full-Stack Internship**

A complete full-stack development program covering MERN technologies, industry tools, and a live project for real-world experience.

## **6-Month MERN + Cloud Internship**

**An advanced, career-oriented program combining MERN development with Cloud, DevOps, deployment skills, and end-to-end project implementation.**

# MODULES- 4-MONTH MERN FULL STACK INTERNSHIP

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## MODULE 1 — PROGRAMMING FUNDAMENTALS

- JavaScript (ES6+) — variables, functions, objects
- Asynchronous JS — promises, async/await
- Intro to TypeScript (recommended)
- Data Structures & Algorithms basics
- Git & GitHub workflows (PRs, branches, versioning)
- Linux basics for developers

## MODULE 2 — FRONTEND DEVELOPMENT (REACT.JS)

- HTML5, CSS3, Responsive Design
- React components, props, state, hooks
- React Router & SPA structure
- Redux/Context API for state management
- Forms & validation
- API integration (fetch/axios)
- UI/UX principles & reusable components
- Frontend testing (Jest, React Testing Library)

# MODULES- 4-MONTH MERN FULL STACK INTERNSHIP

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## MODULE 3 — BACKEND DEVELOPMENT (NODE.JS / PYTHON OPTION)

### Node.js Path

- Node.js architecture, NPM, event loop
- Express.js — routing, middleware, REST APIs
- JWT authentication & authorization
- Error handling & logging
- Connecting backend with MongoDB

### Python Path (Optional Track)

- FastAPI framework
- Dependency injection
- Error handling & logging
- SQL / MongoDB connectivity
- Redis cache implementation

## MODULE 4 — DATABASE TECHNOLOGIES

- MongoDB CRUD operations
- Collections, documents, schema design
- Mongoose relationships & models
- Aggregation, indexing, performance optimization
- SQL overview & comparison with NoSQL

# MODULES- 4-MONTH MERN FULL STACK INTERNSHIP

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## MODULE 5 – AI IN DEVELOPER PRODUCTIVITY

- GitHub Copilot, Codeium
- AI-assisted code review
- AI-generated documentation
- Refactoring using AI tools

## MODULE 6 – CODING BEST PRACTICES & TEAM SKILLS

- Clean code principles
- REST API best practices
- Security fundamentals (OWASP Top 10)
- Agile workflow & teamwork
- Communication & presentation skills

## MODULE 7 – CAPSTONE LIVE PROJECT

- Build a complete MERN application
- Agile sprints, peer reviews
- AI-assisted development workflow
- Final deployment & documentation
- Live demo for portfolio

*Upon completion, learners acquire end-to-end MERN stack development skills, from frontend interfaces to backend APIs and database handling. With real project exposure, version control workflows, and deployment practice, students gain the confidence needed to work in real software teams. A complete portfolio, along with placement support, prepares them for full-stack developer roles in top companies.*

# MODULES- 6-MONTH MERN + CLOUD INTERNSHIP

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## MODULE 1 to MODULE 7 – (Complete MERN Program from 4-Month Track)

(Same as above – MERN + AI + Live Project)

## MODULE 8 – DEVOPS FOUNDATIONS

- Docker basics & containerization
- Docker Compose for multi-service apps
- CI/CD fundamentals
- GitHub Actions / Jenkins basics
- Automated testing & auto-deployment pipelines

## MODULE 9 – CLOUD COMPUTING (AWS / AZURE)

- Cloud fundamentals & services
- EC2, S3, Lambda (AWS)
- Azure App Service basics
- Environment variables & config management
- Load balancing, scaling, HTTPS setup
- Logging & monitoring (CloudWatch / Azure Monitor)

# MODULES- 6-MONTH MERN + CLOUD INTERNSHIP

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## MODULE 10 – CLOUD DEPLOYMENT FOR MERN

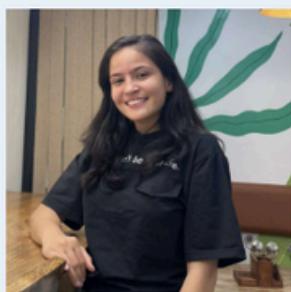
- Deploying MERN application on AWS/Azure
- Reverse proxies, PM2, NGINX setup
- Database hosting on cloud
- End-to-end CI/CD deployment pipeline
- Application-level monitoring

## MODULE 11 – ADVANCED CAPSTONE PROJECT

- Full MERN + Cloud + DevOps integration
- Scalable architecture & cloud hosting
- Real-world documentation & user manuals
- Final demo + portfolio preparation

*Upon completion of the 6-month program, learners gain comprehensive expertise in the MERN stack along with strong foundations in Cloud, DevOps, and production-grade deployment. They learn to build, deploy, secure, and scale full-stack applications using industry-standard tools and cloud services like AWS/Azure. With advanced project experience, CI/CD workflows, containerization, and cloud hosting, students develop the confidence to operate in real engineering environments. A fully deployed live project, complete portfolio, and placement support prepare them for high-demand roles in Full-Stack Development, Cloud Engineering, and DevOps.*

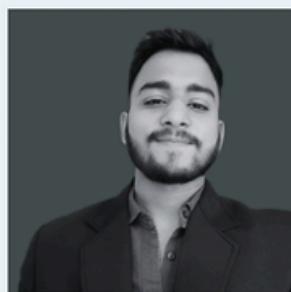
# SUCCESS STORIES



**Aarushi Mathur**  
Consultant-SkillTect



**Kalpana Soni**  
Consultant-SkillTect



**Yogesh Parmar**  
Consultant-SkillTect



**Rohit Dubey**  
Consultant-SkillTect



**Yashverdhan Purohit**  
Consultant-SkillTect



**Nikhil Malpure**  
Consultant-SkillTect



**Suryansh Parashar**  
Consultant-SkillTect



**Aditya Hans**  
Consultant-SkillTect

and many more to come.....

# GET IN TOUCH



## CONTACT US :



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