Dinesh S

sg8608706387@gmail.com — +91-8148261495 — linkedin.com/in/dinesh-s-869316261 — github.com/Dinesh1916 — leetcode.com/u/cbvXTdjBtx — https://dinesh-s-portfolio-website.netlify.app/

Professional Summary

Computer Science and Business Systems graduate with internship experience in software development and workflow automation, proficient in Java, Python, JavaScript, React.js, Node.js, Spring Boot, and SQL. Experienced in building full-stack applications, integrating RESTful APIs, implementing authentication, and optimizing application performance.

Education

Sri Sairam Engineering College — Chennai, India
Bachelor of Technology in Computer Science and Business Systems | CGPA: 7.74/10 — *Oct 2022 - May 2026*

Experience

Web Development Intern — Jun 2025 - Jul 2025
Codsoft — *Remote*

- Engineered 8+ responsive, mobile-first React.js SPAs with RESTful API integration using component-based architecture, reducing average page load time by 30% and improving cross-browser compatibility.
- Boosted frontend performance by 25% via code-splitting, lazy loading and memoization, measurably improving Core Web Vitals (LCP, FID, CLS); resolved 15+ critical UI/UX bugs, cutting error rate by approximate 20%.
- Shipped 5+ full-stack MERN features end-to-end including JWT authentication, RBAC, and RESTful APIs handling 500+ concurrent requests across 3 on-time sprint releases in a remote Agile/Scrum team of 6.

No-Code Automation Intern — Jul 2024 - Oct 2024
Critter Graphix — *Remote*

- Architected 12+ end-to-end automation workflows using Make and Zapier, cutting manual operations by 40% and saving 10+ hours/week; integrated 6+ third-party APIs with CRM for lead and onboarding pipelines.
- Eliminated 100% of manual data entry for recurring reports via scheduled automation; audited 8+ workflows and delivered stakeholder ROI analysis influencing 3 additional automation initiatives.

Projects

AI SaaS Platform | *Node.js, React.js, PostgreSQL, LLM APIs*

- Engineered multi-tenant AI SaaS integrating LLM APIs with tiered subscriptions for 500+ enterprise users; built Node.js, PostgreSQL backend with 3-tier RBAC, row-level security, and 99.9% data integrity.
- Designed RESTful API layer with rate limiting (100 req/min/tenant), billing webhooks, and usage quotas; built React.js dashboard with real-time AI streaming, reducing task completion time by 40%.

Full-Stack Job Portal | *MERN Stack, JWT Auth, RESTful APIs, Role-Based Access Control*

- Built production-grade portal with dual RBAC supporting 200+ job listings; designed 20+ RESTful API endpoints with average response time under 150ms and MongoDB query optimization cutting execution time by 35%.
- Optimized DB via compound indexing and aggregation pipelines enabling 300+ concurrent sessions; delivered full SDLC from system design to cloud deployment, processing 50+ applications in E2E testing.

Smart Parking Reservation System | *React.js, Firebase (Firestore), Google Maps API, JWT, Cloud*

- Architected a full-stack real-time parking platform supporting 100+ concurrent users, reducing manual management effort by 60%; implemented Firebase Auth (OAuth 2.0) and Firestore NoSQL with sub-200ms sync.
- Integrated Google Maps API for geolocation-based discovery and navigation, boosting task completion rate by 45%; built React.js SPA achieving 95+ Lighthouse score across 5 responsive breakpoints.

Technical Skills

Languages: Java, JavaScript (ES6+), Python, SQL, TypeScript
Frontend: React.js, HTML5, CSS3, Tailwind CSS, Redux, Responsive Web Design, SPA
Backend: Spring Boot, Node.js, Express.js, RESTful APIs, JWT Authentication, Microservices Architecture, GraphQL, MVC
Databases: PostgreSQL, MySQL, MongoDB, Firebase (Firestore), Redis
Cloud and DevOps: AWS (S3, RDS, EC2), Google Cloud Platform, Docker, CI/CD, Git, GitHub, Maven, Linux
Tools and Methods: IntelliJ IDEA, Visual Studio Code, Postman, Jira, Agile, Scrum, SDLC, Make, Zapier, Manychat, Vapi, Jotform
Core CS: Data Structures and Algorithms, OOP, DBMS, Operating Systems, Computer Networks, System Design

Certifications and Achievements

Patent Filed: Smart Parking Reservation System (Apr 2026)
Certifications: NPTEL (IIT): Cloud Computing, Java, DBMS, Computer Networks, Deep Learning; IIT Bombay Spoken Tutorial: Java, Python, Git, C
Hackathons: Build2GetHer 24-Hour Hackathon, IEEE Xtreme Coding Hackathon