DIVYAPRADA G

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ACHIEVEMENTS

- Top 10 finalist, **Smart India Hackathon 2025** – Led AI-based rail operations simulation project.
- Mentored 100+ students in **Software Engineering & Web Development** through workshops and courses.
- Finalist, **WRITOFEST 2K24 – Front-End Frenzy (UI/UX Design Challenge)**.
- Built and deployed 5+ full-stack projects integrating **React, Spring Boot, and Docker**.

EDUCATION

Siddaganga Institute of Technology, Tumkur, Karnataka
Bachelor of Engineering in Artificial Intelligence and Data Science   Jul 2024 – Jul 2027
Relevant Coursework: Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks

EXPERIENCE AND INTERESTS

Teaching & Mentorship
Independent Mentor / Workshop Instructor

- Designed and delivered **Software Engineering curriculum** for diploma students emphasizing agile practices.
- Conducted **15+ hands-on workshops** on Git, Docker, and React, improving project success by 40%.
- Mentored student teams to build **mini-projects with Figma, Spring Boot, REST APIs**, from design to deployment.

Core Skills & Interests: Web Dev & UI/UX (HTML, CSS, JS, React, Figma), DevOps & Automation (Docker, Selenium, GitHub, Jira), ML & Data Science, Teaching & Mentorship.

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), TypeScript, SQL, HTML, CSS, Bash
Frameworks: React.js, Spring Boot, Node.js, Express.js
Backend & APIs: RESTful APIs, JWT Auth, WebSockets, Redux, Context API
Databases: MySQL, MongoDB, Redis, H2
DevOps & Tools: Git, GitHub Actions (CI/CD), Docker, Docker Compose, Postman, Swagger, Grafana, Kubernetes (basic), Cloud Run
Other Skills: Figma, UI/UX Prototyping, Agile Workflow, Mentorship

PROJECTS

RailSim AI Commander   *React, Node.js, WebSockets, Docker*
Built AI-assisted railway control system (React + Node + WebSockets) handling 200+ concurrent clients with <200 ms latency.

Library Management System   *HTML, CSS, JavaScript*
Developed a responsive library web app to manage student/faculty data and admin operations with full CRUD features.

Certifications

- **Front-End Frenzy (UI/UX)** – WRITOFEST 2K24, SIT (Dec 2024)
- **Web Development Fundamentals** – Mind Luster (Jul 2023)
- **Secure Social Media Practices** – Govt. of India (Jul 2023)
- **React JS & State Management** – Great Learning (Jul 2023)