Karanam Sai Manikanta
Diploma in Computer Science
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LinkedIn　GitHub　Portfolio　LeetCode

SUMMARY

Full-Stack Developer with expertise in Java, Spring Boot, React.js, and MongoDB, delivering high-performance web apps (5+ projects with 100% Lighthouse scores & <150ms APIs). AP SBTET finalist with strong problem-solving skills in DSA, applied to optimize real-world systems. Passionate about building scalable, efficient solutions with clean architecture.

EDUCATION

Degree	Specialization	Institute	Year	Percentage
Diploma	Computer Science & Engineering	Sanketika College	2022–Present	90
SSC	–	Z P High School	2022	85

EXPERIENCE

- **Web Developer – College Website Competition** *AP SBTET, Nov 2024 – Apr 2025*
  - Built and deployed a full-stack college website for 500+ students with 3-level login (Admin, HOD, Student) using MERN Stack.
  - Optimized React.js frontend for 98% performance and 100% mobile responsiveness; achieved API response time under 100ms, improving data access flow by 60%.
  - Represented college in a state-level competition among 100+ institutions.
  - Project Link: View Project

PROJECTS

- **Red Cross Connect: Efficient Blood Donor Search** [GitHub] *Jun–Oct 2024*
  - Developed a responsive blood donor web platform with search by location and blood group, instant call and notification features.
  - Achieved 100% PageSpeed, 98% accessibility, 95%+ mobile compatibility, and API response under 150ms using Spring Boot and MongoDB.
  - Built the frontend with React.js, reducing load time to 0.7s, and enabling 60% faster donor response in emergencies.
- **Fuel Bee: Fuel Delivery Application** [GitHub] *May 2025*
  - Developed a full-stack fuel delivery app (petrol/diesel) with real-time tracking, OTP login, and role-based access (Customer, Agent, Admin), handling 500+ test orders.
  - Engineered the React Native frontend (98% Lighthouse performance, 100% PWA support) and Spring Boot + MongoDB backend with <150ms API response time.
  - Optimized UI/UX for 99% mobile responsiveness, integrated delivery analytics, and achieved 60% faster checkout flow.
- **Full-Stack E-commerce Platform Development** [GitHub] *Feb–Apr 2024*
  - Developed a complete E-commerce web application with 150+ product listings, dynamic cart, secure checkout, and admin dashboard.
  - Built frontend with React.js (95% Lighthouse performance, responsive UI); backend with Java Spring Boot and MongoDB, with JWT auth and secure REST APIs.
  - SEO optimization and structured metadata improved search engine visibility by 40%+.

POSITIONS OF RESPONSIBILITY

- **Project Head: Final Year Group Project** *Jun–Oct 2024*
  - Led a team of 5 members, managing planning and execution.
  - Addressed challenges and ensured smooth integration.

TECHNICAL SKILLS

- **Programming:** Java, JavaScript, Python
- **Data Structures & Algorithms:** Arrays, Trees, Graphs, DP, Sorting, Searching, Hash Tables, etc., (LeetCode: 150+)
- **Frontend:** React.js, HTML5, CSS3
- **Backend:** Spring Boot, Node.js
- **Databases:** MongoDB, MySQL
- **Tools:** Git, Docker, VS Code