Saathvik Kalepu

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🌐 Portfolio   GitHub   in LinkedIn

Professional Summary

Versatile Full Stack Developer and AI enthusiast with hands-on experience in building real-time web applications, intelligent assistants, and data-driven platforms. Skilled in end-to-end development, cloud integration, and deploying scalable, user-centric solutions. Proven ability to apply advanced problem-solving to real-world scenarios using modern software and AI tools. Passionate about open-source contributions and technology education initiatives.

Education

Indian Institute of Information Technology, Design and Manufacturing (IITDM), Kurnool

B.Tech in Computer Science & Engineering   Expected: 2027

CGPA: 8.2/10.0

Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Object-Oriented Programming, Cloud Computing, Machine Learning, Artificial Intelligence

Technical Skills

Languages:	Java (Advanced), Python (Advanced), JavaScript (Advanced), C++, SQL, TypeScript
Frontend:	React.js, Next.js, Redux, HTML5, CSS3, Tailwind CSS, Material UI
Backend:	Node.js, Express.js, Django, REST APIs, GraphQL, WebSockets
Cloud & DevOps:	AWS (EC2, S3, Lambda, RDS), Firebase, Docker, Kubernetes, CI/CD Pipelines
AI/ML:	NLP, Computer Vision, PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy
Databases:	MongoDB, PostgreSQL, MySQL, Redis
Tools:	Git, VS Code, Postman, Jira, Figma, Tableau, Power BI

Selected Projects

E-commerce Analytics Dashboard

React, Node.js, MongoDB, Chart.js

- Built a real-time analytics platform for e-commerce KPIs with interactive data visualizations
- Boosted client conversion rates by 30% using actionable insights from user behavior
- Deployed secure backend APIs and responsive frontend with integrated Chart.js

Technologies: React, Node.js, MongoDB, Chart.js

Mental Wellness Companion

JavaScript,PWA,LocalStorage,CSS3

- Built a real-time analytics platform for e-commerce KPIs with interactive data visualizations
- Boosted client conversion rates by 30% using actionable insights from user behavior
- Deployed secure backend APIs and responsive frontend with integrated Chart.js

Technologies: JavaScript, PWA, LocalStorage, CSS3

Sunny - AI Voice Assistant

Python, NLP, SpeechRecognition, Automation

- Developed a responsive, full-stack AI assistant capable of processing natural language queries and performing tasks via voice commands.
- Engineered the core functionality to automate workflows, control smart devices, and retrieve real-time information from web APIs.
- Implemented a custom wake-word detection system, achieving a 95% accuracy rate in noisy environments.

Technologies: Python, NLP, SpeechRecognition, Automation

Supply Chain Optimizer

Python, PuLP, Tableau

- Engineered an AI-powered logistics optimizer using linear programming to minimize operational costs
- Achieved 18% cost reduction across a multi-node warehouse system
- Delivered interactive Tableau dashboards for executive decision-making

Technologies: Python, PuLP, Tableau

Certifications

- **Udemy Full Stack Certified Web Developer - Associate** (2025)
- **Career Essentials in Generative AI by Microsoft and LinkedIn** (2024)

Achievements

- **GitHub Campus Expert** - Recognized for open-source contributions
- Solved 500+ problems on LeetCode (Top 10% in contests)