

Deepak J

Full Stack Developer, ML Engineer

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

Professional Summary

Results-driven Full Stack Developer and Machine Learning Engineer skilled in Python, Java, React.js, Node.js, and AI/ML technologies. Experienced in developing intelligent web applications, hackathon solutions, and real-world ML systems with strong backend development and problem-solving skills.

Technical Skills

- **Programming Languages:** Python, Java, C, JavaScript
- **Web Technologies:** React.js, Node.js, Express.js, JavaScript, Bootstrap
- **Databases:** MongoDB, MySQL, SQL, Supabase
- **Machine Learning / DL:** Scikit-learn, TensorFlow, CNN, NumPy, Pandas
- **Tools:** Git, GitHub, VS Code, Postman, Figma
- **Core CS Concepts:** OOP, DBMS, Operating Systems, Computer Organization

Experience

Intern – Glaucoma Tracker System (Academic Internship)

- Developing frontend-backend integration for a glaucoma tracking application using RESTful APIs.

Area of Interest

Full Stack Development, Artificial Intelligence, Machine Learning, Database Management

Projects

TourJet – SIH 2025 – Pre-Finalist

- Developed an AI-powered tourism recommendation and route planning system with personalized travel optimization.
- Recognized as a Smart India Hackathon (SIH) 2025 Pre-Finalist among nationwide submissions.

VerdeRoute – Carbon Emission Aware Route Optimizer

- Built an eco-friendly route optimization system to reduce transportation carbon emissions using AI-driven analysis.
- Integrated environmental and routing data to improve sustainable travel decision-making.

Stock Price Prediction System

- Developed machine learning models for stock price forecasting using Python and feature-engineering techniques.
- Improved usability by recreating the system with a Java-based graphical user interface.

Achievements & Recognition

- Winner – Hackvotrix Hackathon (AI-based Fleet Management Solution)
- Smart India Hackathon (SIH) 2025 – Pre-Finalist (TourJet)
- Winner – Calibrix Hackathon (AI-based Smart Tourist Guide)

Certifications

- Oracle Certified Professional: Java SE 17 Developer
- Oracle APEX Cloud Developer Professional
- NVIDIA Generative AI with Diffusion Models

Education

B.Tech – Artificial Intelligence & Data Science

Kongu Engineering College, Tamil Nadu

CGPA: 7.90

Higher Secondary Education

Keren Matriculation Higher Secondary School, Madurai

92.33%