Dhuvarakesh S

Artificial Intelligence and Data Science

SUMMARY

Motivated developer with strong experience in AI, machine learning, and full-stack web development using Python, Node.js, React, SQL, and Django. Skilled in designing and implementing intelligent systems, interactive web applications, and automation solutions. Focused on delivering efficient, scalable, and innovative technology products while solving complex problems and enhancing user experiences across diverse domains.

CONTACT

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PROJECTS& EXPERIENCE

Tata Intervention Hackathon | Mar 2025 – Apr 2025
- Built T-Mate, a prototype personal car assistant for vehicle health monitoring and navigation.
- Implemented road sign detection with real-time traffic alerts for driver safety.
- Developed traffic violation alert system to enhance road safety awareness.

Degree Dialog – Chatbot | Mar 2024 – May 2024
- AI-powered chatbot for higher education guidance, built using Django (backend) and React.js (frontend).
- Integrated Gemini API for intelligent responses and used RESTful APIs for data fetching.
- Project uses Tailwind CSS for responsive UI.

Sports Analysis Dashboard | Mar 2025 – May 2025
- Built with React and Flask, visualizes football statistics through interactive charts.
- Features league/team selection and live data. Deployed frontend on Render with caching to optimize API performance.
- Modern stack includes Tailwind CSS, Chart.js, and React Router for seamless UX

AI-Driven Product Pricing | Sep 2025 – Oct 2025
- Developed an end-to-end ML pipeline to predict product prices using text, numeric, brand, and image features.
- Leveraged LightGBM, ExtraTrees, and a meta-model with ResNet image embeddings for enhanced accuracy. Achieved robust performance with SMAPE evaluation and scalable image caching for 77k+ products.

EDUCATION

Rajalakshmi Institute of Technology | Sep 2023 – Present
- B.Tech Artificial Intelligence and Data Science
- CGPA:8.72 (Upto 4th Sem)

Ananda Vidayalaya Matric Hr Sec School Rajapalayam | 2021 – 2023
- XI, XII- Tamilnadu Board
- Percentage:93.33%

SKILLS

- **Languages**: Python, SQL, Java Script, HTML/CSS, C
- **Frameworks**: Next JS, React JS, Node JS, Django
- **Databases**: MongoDB, MYSQL, Supabase, RESTful APIs
- **Devops Tools**: Git/Github, Docker, Postman
- **Soft Skills**: Leadership, Team Collaboration, Communication, Problem Solving, System Design

CERTIFICATES

Python for Data Science | 2024
IBM Cognitive Class AI

Data Analysis with Python | 2024
IBM Cognitive Class AI

Tata Data Visualisation | 2023
Job Simulation on Forage

Intro to Machine Learning | 2023
Kaggle