Priyanshu Ranjan

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Summary

Passionate CSE undergrad with a strong foundation in fundamental programming, machine learning, and data analytics. Skilled in Python, Java, SQL, and cloud fundamentals (AWS, GCP), with hands-on experience developing AI-driven applications including a Sentiment Analysis Web App (Moodify) and an AI Interview Mentor (Career Mentor). Possesses problem-solving skills, exposure to scalable systems, and practical industry experience, making me well-suited for Data Analyst or Full Stack AI Developer roles.

Technical Skills

Programming Languages: Java, Python, SQL and C++
Data & Analytics: NumPy, Pandas, Seaborn, Matplotlib
AI/ML: PyTorch, Scikit-learn, NLP, TensorFlow
Databases: MySQL, MongoDB, Supabase, Firebase, RDS, DynamoDB
Cloud: AWS (EC2, S3, IAM), Google Cloud (GCP), Oracle OCI
Web & Frameworks: React, Flask, Node.js, REST API

Projects

Moodify - Sentiment Analysis Web App Sept 2024 – Jan 2025
Full Stack AI Project *Python, BERT, NLP, React, & Firebase*
- Built a full-stack sentiment analysis web application using Flask, React, and Transformer-based BERT model.
- Designed RESTful APIs for real-time text and CSV sentiment analysis with seamless frontend–backend integration.
- Achieved ~86% sentiment classification accuracy, improving the reliability of automated customer feedback analysis.

CareerMentor - AI Interview Mentor Jul 2025 – Ongoing
Full Stack AI Project *React, OpenCV, Gemini LLM & Supabase*
- Developed a Full Stack AI interview preparation platform with resume-based role personalization.
- Implemented voice, vision, and LLM-driven evaluation to simulate real interview scenarios.
- Built a scalable React–backend system with Supabase and interchangeable LLM backends.

Swayam Saarthi – Reverse Ride-Hailing Platform Jan 2026 – Present
End-to-End Product Project *React, Node.js, Express, MongoDB, JWT*
- Built a reverse ride-hailing platform enabling users to book verified drivers for their own vehicles.
- Implemented secure authentication, role-based access, and multi-step booking flow using JWT.
- Designed scalable REST APIs and MongoDB schemas for users, drivers, and real-time bookings.

Education

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science, (AI and ML) *Sept 2023 – May 2027*
R.B.T Vidyalaya, Deoria
Senior Secondary Education (12th) *2022*
Kendriya Vidyalaya, Deoria
Secondary Education (10th) *2020*

Certifications

- Applied Machine Learning in Python — Link
- Oracle OCI Data Science Professional — Link
- AWS Technical Essentials — Link
- NPTEL Cloud Computing — Link