

Priyanshu Ranjan

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SUMMARY

Passionate data engineer with a solid background in fundamental programming languages and machine learning. Skilled in Python, Java, SQL, and AWS. Developed a Sentiment Analysis Web App and currently developing an AI Interview Mentor (Career Mentor). Having strong skills in scalable applications and financial analytics makes me well suited for a Data Engineer role.

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL and C++

Frameworks & Library: NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn

Developer Tools & Databases: GitHub, MySQL, AWS, Oracle OCI

PROJECTS

Sentiment Analysis Web App

ML Project

Sept 2024 – Jan 2025

Python, BERT, NLP & Frontend

- Developed a real-time sentiment analysis web application using Flask and Machine Learning, featuring an interactive UI.
- Implemented Natural Language Processing (NLP) for text classification and enabled batch processing of CSV files.
- Built JSON-based API endpoints for smooth data integration.
- Improved sentiment classification accuracy by 86%

AI Interview Mentor

ML Project

Feb 2025 – Ongoing

Ollama, OpenCV & Frontend with UI

- Developed an interactive AI-driven interview preparation platform using React, TypeScript, and Tailwind CSS.
- Integrated a resume upload feature that extracts job roles to personalize interview questions dynamically.
- Collaborated with UI/UX tools to maintain design consistency across components.

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](#)
- AWS Solutions Architecture on Forage – [Link](#)
- NPTEL Cloud Computing – [Link](#)