

Pranay Rokade

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Summary

Computer Science and Engineering (Data Science) student and AWS Certified Cloud Practitioner with strong programming skills in Python and experience in building scalable, data-driven applications. Skilled in developing end-to-end systems involving data processing, APIs, and user interfaces. Currently exploring cloud technologies, backend development, and integrating AI/ML models into real-world software solutions.

Education

Shri Ramdeobaba College Of Engineering and Management
B. Tech (Computer Science and Engineering in Data Science)

CGPA
9.56

2022-2026
Nagpur, Maharashtra

Experience

Darwinbox Digital Solutions Private Limited

January 2026 – June 2026

Product Development Intern

On-Site

- Built Form Automation, Darwinbox's first AI-powered form builder, reducing HR form creation effort by 80%.
- Developed a full-stack platform using React, Node.js, MongoDB, and Groq LLaMA-3.3 to generate multi-page forms with validation, OTP sharing, and email delivery.
- Created Beacons.li automation tools with AI agents and custom routing, reducing manual operations by 60% and improving turnaround time by 40% across the Darwinbox Platform.

Technical Stack

Languages & Technical Skills: Python, JavaScript, SQL, NoSQL, C++, MERN, ML, DL, NLP, DBMS, Linux, OOPs, GenAI

Tools & Databases: Power BI, Tableau, MySQL, Git, GitHub, MongoDB, Redis

DevOps and Cloud(AWS): Amazon Web Services, Docker, Kubernetes, Agile, SDLC

Projects

ClassVision: Advanced Classroom Activity Recognition: *Deep Learning, Computer Vision, YOLO*

June 2025

- Solved inefficient manual classroom monitoring by building a real-time multi-user activity recognition system, reducing effort by 70%.
- Developed scalable Django APIs and React dashboards for live tracking, monitoring, and actionable analytics.
- Automated data pipelines and logging workflows, improving reporting speed and analytics efficiency by 50%.

Oncology Document Analyser System: *NLP, ML, LSTM, TF-IDF, Word2Vec, RAG*

December 2024

- Built an AI system for unstructured medical text analysis, improving clinical data extraction efficiency by 60%.
- Developed an end-to-end pipeline for preprocessing, feature extraction, and scalable document classification.
- Created a Streamlit UI for instant uploads and real-time results, improving usability and turnaround time.

One-Shot: XAI-Powered Exam Prep Platform: *LangChain, Pinecone, NLP, RAG, React, AWS*

January 2026

- Tackled time-consuming exam preparation by building an AI platform for summaries, quizzes, and adaptive tests, cutting effort by 60%.
- Implemented RAG with LangChain + Pinecone, increasing content relevance and improving personalized question generation.
- Built an explainable topic prediction engine and deployed a full-stack chatbot platform, boosting preparation efficiency by 50%.

Certifications

- AWS Certified Cloud Practitioner
- Oracle Certified AI Vector Search Professional

Extracurricular

Geeks For Geeks RCOEM Chapter : *PR and Outreach Elite Team Member*

September 2023 – June 2025

Data Science Association (DASCA) RBU: *Publicity Head*

August 2025 – June 2026

Competitions/Hackathons

- **Finalist at Code Kshetra 2.0**, a 36-hour MLH Hackathon held at JIMS Rohini, New Delhi (February 22–23, 2025).
- Participated in **Hackbyte 2.0**, a 36-hour MLH Hackathon held in IIITDM Jabalpur (April 5-7, 2024).