

PRATHMESH KATHAR

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EDUCATION

- **B.Tech, Computer Science** – Deogiri Institute of Engineering & Management Studies, Aurangabad
Expected Jan 2026 | CGPA: 7.4
- **HSC (12th)** – Vasantao Naik Mahavidyalaya, Aurangabad
May 2022 | 69.83%
- **SSC (10th)** – Sant Meera School, Aurangabad
May 2020 | 79.80%

SKILLS

Technical Skills: C, C++, Java, Python (Pandas, NumPy, Scikit-learn), SQL, MySQL, PostgreSQL, SQLite, HTML, CSS, JavaScript, React, ML (Regression, NLP, LLMs – OpenAI, LangChain), Streamlit, Git, Tableau, Power BI, AWS cloud

Core Competencies: Problem Solving, Teamwork, Adaptability, Data Structures, Algorithms

EXPERIENCE

AI & Cloud Intern — Edunet Foundation in collaboration with AICTE

Dec 2023 – Jan 2024 (4 weeks)

Completed an internship focused on **Emerging Technologies (AI & Cloud)** using **IBM SkillsBuild** and **IBM Cloud Platform**. Gained hands-on experience in **cloud deployment**, **AI model integration**, and **IBM cloud services**.

PROJECTS

EmotionSense AI — Multimodal Emotion & Speech Analyzer [↗](#)

- Built a multimodal dashboard using **DeepFace**, **Vosk**, and **Gemini LLM** for real-time emotion and speech analysis.
- Implemented **webcam-based emotion detection**, **speech-to-text transcription**, and **AI-driven summary generation**.
- Designed an **interactive Streamlit dashboard** for emotion trends and contextual insights
- Integrated **emotion graphs** and optimized **real-time performance** for faster processing.
- **Tech Stack:** Python, Streamlit, OpenCV, DeepFace, Vosk, TensorFlow, Gemini API

EquityResearch AI — AI-Powered Financial Research Assistant [↗](#)

- **Built an AI-powered research assistant** using LangChain, Gemini, and Streamlit for automated financial insights.
- **Implemented** semantic search, vector DBs, and LLM chains to **extract and rank key market data**.
- **Built** real-time data pipelines and **optimized** backend performance **through prompt engineering and API integration**.
- **Designed an** interactive dashboard **for visualizing market trends, company insights, and financial summaries**.
- **Tech Stack:** Python, Streamlit, LangChain, FAISS, Google Gemini API, Pandas

CERTIFICATIONS

- Databases and SQL for Data Science with Python – **IBM**
- Machine Learning Specialization. – **DeepLearning.ai**
- Fundamentals of Visualization with Tableau – **UCDAVIS**
- AWS Academy Graduate – Cloud Foundations – **Amazon Web Services (AWS)**

ACHIEVEMENTS

- **Two-Time Internal Hackathon Finalist – DIEMS (2024 & 2025)**
Reached finals twice for innovative AI-based solutions, demonstrating strong teamwork, problem-solving, and presentation abilities.
- **Top 95 Teams in Asia – AI for Impact APAC Hackathon (Powered by Google Cloud AI, 2025)**
Recognized among top 95 teams across Asia for developing a real-world AI solution with significant impact.
- **Coding Ninjas UI/UX Hackathon Winner (2024)**
Secured first place by designing an intuitive and impactful user interface, showcasing creativity and user-centric design skills.