

Vaishnavi Gavi

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EDUCATION

- Ramrao Adik Institute Of Technology - University Of Mumbai** Navi Mumbai, India
Bachelor of Engineering - Electronics Engineering; GPA: 8.72/10 2019 - 2023
Courses: Data Structures and Algorithms, Machine Learning, Networking, Databases, Data Science, IOT, Project Management

EXPERIENCE

- Vunet Systems** Bangalore, India
Data Science Engineer Apr 2024 – Mar 2025
 - Built a Python pipeline to onboard client data automatically:** Cut manual work in half and boosted daily throughput by 30%.
 - Developed statistical models (Logistic Regression, Random Forest):** Reduced transaction declines by 40% on a platform handling over 1 million transactions per day.
 - Used BERT to analyze 10,000+ app reviews for ICICI Bank's iMobile Pay:** Uncovered UX issues that lifted the app rating from 3.9 to 4.2.
 - Created real-time dashboards:** Tracked transaction anomalies and model health—helping stakeholders make faster decisions.
 - Contributed to the VED AI Chat Bot project:** Reduced query response times by 35% and increased customer engagement by 20%.
- IDfy** Mumbai, India
Software Development Intern Jan 2023 – Apr 2023
 - Built a microservice in Python and Elixir:** Ingested and transformed data for a live KPI dashboard backed by PostgreSQL.
 - Added search and pagination to the dashboard:** Wrote tests to keep uptime above 99%.
- SDG-RAIT** Navi Mumbai, India
Software Development Intern Jun 2021 – Aug 2021
 - Created a Django-based Result Management system:** Implemented secure login and dynamic charts of student scores.
 - Automated report generation for branch- and class-level performance:** Reduced manual effort by 70%.

PROJECTS

- On-Chain Guard Anomaly Detection Dashboard (Anomaly Detection, ETL, FastAPI, Next.js):** Designed and implemented a full-stack system to spot unusual Ethereum wallet behavior using an IsolationForest model. Built a Python ETL pipeline to ingest and featurize on-chain data, served real-time and historical anomaly scores via a FastAPI backend, and created an interactive Next.js dashboard with filtering, CSV export, and time-series charts. Tech: Python, Pandas, Scikit-learn, FastAPI, Docker, Next.js, SWR, Recharts
- Dance Pose Detection And Correction (Computer Vision, Real-Time Feedback):** Real-time pose analysis and corrective feedback using Mediapipe, delivering instant accuracy metrics and improvement suggestions. Tech: Python, Mediapipe framework
- Stock Prediction (Time Series Forecasting, ML):** Created a comprehensive stock prediction pipeline using historical price data and machine learning models to forecast future trends and visualize predicted prices. Tech: Python, Pandas, NumPy, Matplotlib

SKILLS SUMMARY

- Languages:** Python, Java, SQL
- Frameworks & Libraries:** Scikit-learn, Pandas, NumPy, TensorFlow, PyTorch, Hugging Face, React, Next.js
- Data Visualization:** Matplotlib, Seaborn, Grafana, Recharts
- Databases:** PostgreSQL, MySQL, ClickHouse
- Tools & Environments:** Git, Docker, FastAPI, Jupyter Notebooks
- Soft Skills:** Problem-Solving, Critical Thinking, Time Management, Communication, Adaptability

CERTIFICATIONS

- Certificate of Python Programming For Beginners in Data Science from Udemy (Aug 2021)
- Certificate of Completion in 30 Days Of Google Cloud Program (Data Science & Machine Learning Track) (Dec 2020)

VOLUNTEER EXPERIENCE

- Marketing Head at Google Developer Students Club – RAIT** Navi Mumbai, India
Led marketing initiatives, organized events, and engaged students. Jun 2021 – May 2022
- Social Media Coordinator at ISTE-RAIT** Navi Mumbai, India
Managed social media campaigns, fostering online community growth. Jun 2020 – May 2021
- Event and Sponsorship Lead at PsychHack Hackathon** Navi Mumbai, India
Secured sponsorships and managed a successful event with 200+ participants.