Ketaki Balasaheb Kahure

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○ github.com/KetakiKahure   🌐 Portfolio

Education

B.Tech in Computer Science & Engineering, VIT-AP *(CGPA: 8.52 / 10)*	2022 – 2026
HSC (Science) – Sri Chaitanya Institute *(86.5%)*	2022
SSC – Huzurpaga School *(92.8%)*	2020

Experience

Data Science Intern – Indo Euro Synchronization & APSSDC   Feb 2024 – May 2024
- Performed large-scale **data cleaning** and preprocessing using **Python** and Excel for ML-ready datasets.
- Built interactive dashboards in **Power BI and Tableau** to visualize regional KPIs and trends.
- Wrote optimized **SQL queries** and applied statistical methods for anomaly detection.

Projects

- **FocusWave – AI-Powered Productivity Platform for ADHD Users**   *Oct 2025*
  Developed an adaptive productivity platform integrating **AI, ML, and LLMs** to enhance focus among ADHD users. . Built backend APIs using **Node.js, Express.js, Postgres**, with **React & Tailwind CSS** for the frontend. Utilized **DistilBERT** for sentiment-based UI adaptation. Built **Random Forest models** for distraction and Pomodoro cycle prediction with **85%** accuracy, integrating **Gemini API** for personalized AI coaching.

- **Course Planner Web Application (Full Stack)**   *Aug 2025*
  Implemented a full-stack course planner using **React, Node.js, Express, Postgres** with **JWT** authentication. Built **4+ REST APIs** for CRUD operations and designed a responsive UI.

- **Earthquake Magnitude Prediction (Deep Learning)**   *Sep 2024*
  Preprocessed a global seismic dataset of **5k+ records**, handling missing values and encoding temporal features. Trained and compared **LSTM & GRU** models, improving prediction accuracy by **15%** and reducing RMSE with dropout regularization and early stopping.

- **Electric Vehicle Dashboard (Power BI)**   *Feb 2024*
  Processed an EV dataset of **100M+ registrations** across states and built an interactive Power BI dashboard. Delivered **10+ reports** with filters and KPI tiles to help stakeholders track **20% YoY growth**.

Skills

Languages	Python, Java, JavaScript, SQL, NoSQL
Frameworks/DB	Node.js, Express.js, React, Tailwind CSS, MongoDB, PostgreSQL, REST APIs
Data/ML	Pandas, NumPy, Scikit-learn, TensorFlow, ML Models
Tools	Git, GitHub, Postman, Figma, Canva, Power BI

Certifications

- **AWS Certified Cloud Practitioner** – Certificate   June 2025
- **Udemy – Full Stack Web Development** – Certificate   Aug 2025

Positions & Extracurricular

- **Lead – Creative Dept., Microsoft Student Chapter, VIT-AP**   2024
  Led branding for technical events and mentored juniors in design tools like **Figma & Canva**.

- **Responsive Restaurant App UI (Figma)**   2023
  Designed a mobile-first restaurant app prototype with interactive layouts and intuitive navigation.