Revanth Guthula

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Education

KL Univerisity Hyderabad	Aug 2022 - May 2026 (Expected)
B.Tech in Artificial Intelligence and Data Science	*CGPA: 7.76/10*

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Deep Learning

Skills

Languages: HTML, CSS, JavaScript, SQL, Java, Python

Technologies & Tools: Django, React, Next JS, GCP, Azure, AWS, Vercel, Render, Git/Github, Docker, Linux

Machine Learning: Supervised learning, Unsupervised Learning, NN basics, model eval, feature engineering, hyperparameter tuning, experiment tracking, text classification, Responsible AI, TensorFlow, Scikit-learn, Pytorch

AI: Prompt Engineering, Hugging Face, LLMs, Local LLMs, LangChain

Work Experience

Ghar Ka Khana, Mumbai	Jul 2025 - Present

IT Software Developer

- Developed a full-stack restaurant ordering platform using Next.js 15 and React 19 with TypeScript, implementing modern web development practices including server-side rendering, API routes, and component-based architecture for enhanced user experience and maintainable codebase.
- Built a comprehensive authentication system and responsive UI utilising Supabase for backend services and Twilio for SMS verification, while creating a polished user interface with Tailwind CSS and Radix UI components, and successfully deploying the application on Vercel for optimal performance and global accessibility.
- Next.js 15, React 19, TypeScript, Tailwind CSS, Supabase, Twilio, Radix UI, Vercel, React Hook Form, Zod validation

Project Work

DataPulse — Automated EDA and Data Health GitHub Link

- Built a full-stack data health monitoring app that detects outliers, missing data, and statistical drift in CSV datasets.
- Created an interactive web dashboard with real-time data visualisation and automated quality scoring using machine learning algorithms.
- FastAPI, Python, Pandas, NumPy, Scikit-learn, Scipy, React.js, Material-UI, Plotly.js, Axios, Docker, Vercel, Render

Image Captioning Django Web App GitHub Link

- Developed a Django web application using BLIP transformer model to generate descriptive captions for uploaded images.
- Built a complete web interface with image upload functionality and integrated pre-trained deep learning models for real-time caption generation.
- Python, Django, PyTorch, Transformers, PIL, HTML, CSS, SQLite3

Face Emotion Detection GitHub Link

- Developed a computer vision application using OpenCV and FER (Facial Emotion Recognition) library to detect and classify human emotions from images.
- Python, OpenCV, FER (Facial Emotion Recognition), MTCNN, Keras, NumPy, Pandas, Matplotlib, Google Colab

Research Publications and Certificates

- An Enhanced SVM Model Optimised with Minimum Bayes Error Rate for Mental Disorder Detection - Springer, ICT4SD 2025, Goa, India
- Cloud Digital leader - Google Cloud
- AI Engineer Associate – Microsoft Azure

Competitions

- **NXP AIM India 2024** – Regionals; built an obstacle-avoiding robot with ROS2 lane detection.