Yamuna Latchipatruni

Email: yamunal868@gmail.com | **Phone:** +91 9704216229
LinkedIn: linkedin.com/in/yamuna-latchipatruni-b7ba3928b | **GitHub:** github.com/Yamuna-6730

OBJECTIVE

Highly motivated Computer Science undergraduate specializing in Data Science with strong analytical foundations and disciplined work ethic. Passionate about building scalable machine learning systems and solving real-world problems through continuous learning, adaptability, and structured execution.

TECHNICAL SKILLS

Programming: Python, C, C++, Java, SQL

Machine Learning: Supervised & Unsupervised Learning, Deep learning(Basics), Data Preprocessing, Pandas, NumPy, TensorFlow, PyTorch, Scikit-learn, Statistical analysis, Forecasting

Data Analytics and visualization: Excel, Data cleaning and modelling, Tableau, PowerBI, Matplotlib, Seaborn

Web Development and other tools: React.js, Express, Django, Node.js, MongoDB, Firebase, Git and Github

Cloud: Google Cloud (Vertex AI, Firestore), AWS (Basics), Docker (Basics)

PROJECTS

AI Research Assistant – Semantic Retrieval System

- Built a FAISS-based vector search system with speech-to-text integration for efficient exploration of large research datasets.
- Designed modular ML pipelines and visualization workflows, improving structured data querying and analysis.

Predictive Maintenance and Anomaly Detection System

- Developed predictive models using LSTM, Autoencoders, and Isolation Forest on industrial sensor datasets.
- Implemented a Streamlit dashboard for anomaly monitoring and real-time decision support.

LegalEase – AI-Powered Legal Document Assistant

- Developed a full-stack application using Django, React, and Google Cloud services.
- Implemented document summarization, keyword extraction, multilingual support, and secure authentication workflows.

EDUCATION

B.Tech in Computer Science and Engineering (Data Science) VNR VJIET, Hyderabad **CGPA:** 9.35/10
Expected Graduation: 2027

ACHIEVEMENTS

- **JP Morgan Code for Good Winner (2025)** – Selected through coding and HireVue rounds; developed a winning technology solution for Reaching Roots NGO during the national-level hackathon.
- **Technovista Blogathon Winner (2025)** – Secured 1st place for a technical blog on Deepfake Technology among participating students.

LEADERSHIP & COMMUNITY INVOLVEMENT

Social Media Coordinator & Volunteer, VJ Data Questers Club - Managed promotions for AI/ML workshops and events.

CORE STRENGTHS

Hardworking, Disciplined, Adaptive Learner, Confident Communicator, Analytical Thinker, Team-Oriented, Proactive, Strong Time Management