

Bandlapalli Roshan Babu

Hyderabad, India broshann14@gmail.com +91 6301607295
LinkedIn GitHub

Summary

M.Tech student in AI & Data Science at Mahindra University with expertise in Deep Learning, NLP, Quantum Machine Learning, and Full-Stack Development. Skilled in hybrid quantum-classical pipelines, large-scale ML deployment, and scalable web applications.

Education

M.Tech in Artificial Intelligence & Data Science, CGPA: 7.38

Mahindra University, Hyderabad

Aug 2024 – Present

B.Tech in CSE (AI & ML), CGPA: 8.51

Presidency University, Bangalore

Jun 2020 – May 2024

Skills

- **Programming:** Python, Java, MySQL, JavaScript
- **Frontend:** HTML5, CSS3
- **Backend:** Python, Java, MySQL
- **Deep Learning:** PyTorch, TensorFlow, Keras, CNNs, RNNs, Autoencoders, YOLO
- **NLP:** Transformers, Tokenization, Sentiment Analysis
- VAEs, Attention, GANs
- **Quantum:** Qiskit, Quantum Circuits, QML, IBM Quantum Experience
- **Software Engg:** OOP, DSA, Git
- **Tools:** Streamlit, VS Code, Jupyter, Google Colab, Ubuntu

Experience

Research Intern, Lloyd's Bank, Mahindra University

Aug 2025 – Present

- Quantum-based face detection & recognition integrating QML with computer vision.

Machine Learning Intern, Bharat Intern

Oct 2023 – Nov 2023

- Built predictive models for house price, wine quality, and iris classification.

ML Internship Training, Skill Vertex

May 2023 – Jun 2023

- Implemented ML algorithms and data preprocessing scripts in Python.

Projects

Multilingual Customer Support Chatbot (NLP)

- Multilingual chatbot using Transformers, Python backend, and Streamlit UI.

Inventory Management System using AI

- AI-powered inventory tracker with HTML/CSS/JS frontend and Python backend.

Emotion Detection using GloVe-BiLSTM

- NLP pipeline using GloVe embeddings and BiLSTM for emotion classification.

Traffic Volume Prediction with PyTorch

- Web-enabled ML model for traffic forecasting with data visualization.

Certifications

- AICTE Certified FDP on Quantum Computation(August 2025)
- Basics of Quantum Information – IBM (2025)
- Fundamentals of Quantum Algorithms – IBM (2025)
- Meta–Coursera: Introduction to Front-End Development
- Meta–Coursera: Principles of UX/UI Design
- Meta–Coursera: Programming with JavaScript
- Intro to ML – Kaggle (2023)
- Programming with Python – Internshala (2022)
- Introduction to AI – IBM (2021)

Achievements

- Published paper on Inventory Management using AI (ICIET)
- Represented India in Men's Throwball at Indo-Sri Lanka Youth Cup 2024 (Runner-up)
- Director of Photography in regional short film contest
- M.Tech merit scholarship for academic excellence