RIDDHI JOSHI

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PROFESSIONAL SUMMARY

Results-driven Artificial Intelligence and Data Science undergraduate (2026) with hands-on experience in software engineering, data-driven AI applications, and scalable system design. Passionate about solving real-world challenges through innovation and clean code.

EDUCATION

Mumbai University Mumbai, India
Bachelor of Technology, Artificial Intelligence and Data Science GPA: 9.5/10 *June 2022 – May 2026*
Relevant Coursework : Data Structures and Algorithms, Python, Operating Systems, Object-Oriented Programming, Data Science

TECHNICAL SKILLS

Languages: Python, SQL
Libraries: TensorFlow, PyTorch, Scikit-learn, OpenCV, FastAPI, Flask, Pandas, NumPy, Matplotlib, Plotly
Tools & Platforms: Linux, Git, Docker, Google Cloud Platform (Cloud Run, Cloud Build), Anaconda, Jupyter Notebook

EXPERIENCE

AI Intern June 2024 - August 2024
TCET Open Source *Mumbai, India*
- Built an AI-powered Resume Screening System using NLP and Computer Vision to automate candidate parsing and validation.
- Trained classification models for skill and role matching, improving screening accuracy by 30%.
- Optimized OCR and text extraction with OpenCV and Tesseract, increasing parsing reliability to 95%.

Applied Data Science Intern Feb 2023 - June 2023
Utkarshini Edutech *Mumbai, India*
- Built an Educational Performance Prediction System analyzing student data to identify at-risk learners.
- Developed a data pipeline with preprocessing, feature engineering, and ML models (Random Forest, XGBoost) achieving 85% accuracy.
- Created interactive dashboards for insights on performance trends and retention outcomes.

PROJECTS

EchoVerse – Real-Time Speech Intelligence System | *FastAPI Faster-Whisper Google Cloud Run* 2025
- Developed a real-time multilingual speech-to-text system with sub-400 ms inference latency.
- Deployed via Docker + Cloud Run CI/CD, enabling autoscaling and low-latency streaming.
- Integrated accuracy benchmarking (WER/CER) and an interactive live transcription UI.

Stock Market Analysis - Predictive Financial Analytics Tool | *Python Scikit-learn Plotly* 2024
- Built a Python-based analytics tool to forecast stock trends using Prophet and ML-based volatility prediction.
- Enabled interactive data visualization and company search with regex pattern matching and dynamic dashboards.
- Improved runtime and usability through CSV caching and automatic timezone handling.

CO-CURRICULAR ACTIVITIES

Rotaract Club of TCET Mumbai, India
Professional Development Director *July 2023 – June 2024*
- Led 10+ professional development workshops on resume building, interview skills, and career growth, engaging over 200 students.
- Directed an 8-member team and coordinated cross-club initiatives, increasing participation in technical and community events by 40%.