Rupin Gore

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PROFESSIONAL SUMMARY

Results-driven AI and Data Science graduate student with strong hands-on experience in machine learning, deep learning, and data analytics. Skilled in Python, SQL, TensorFlow, and PyTorch with a proven ability to extract insights from large datasets and develop intelligent systems. Experienced in deploying end-to-end ML pipelines, building NLP applications, and creating interactive dashboards. Known for delivering high-impact solutions during internships and academic projects.

EDUCATION

Vellore Institute of Technology — **July, 2024 - Present**
M.Tech in CSE (Artificial Intelligence and Data Science) (9.1 CGPA) — *Bhopal, Madhya Pradesh*

Gujarat Technological University — **Nov, 2020 – June, 2024**
B.E in Computer Engineering (8.22 CGPA) — *Surat, Gujarat, India*

Reliance Foundation School (CBSE) — **Aug, 2020**
Class 12 (72 %) — *Surat, Gujarat, India*

Reliance Foundation School (CBSE) — **Mar, 2018**
Class 10 (84%) — *Surat, Gujarat, India*

WORK EXPERIENCE

Data Science Intern — **On-Site**
Durvasa Infotech Pvt. Ltd. | Surat, Gujarat — *January, 2024 – May, 2024*

- Processed and cleaned 1M+ data points, ensuring 98% data integrity for accurate insights.
- Conducted EDA using Pandas to identify key trends. Developed and optimized ML models, boosting accuracy by 15%.
- Created dynamic visualizations using Python and Tableau, reducing analysis time by 40%.
- Evaluated and iterated model performance, resulting in 10% improvement in model reliability through continuous optimization.

PROJECTS

Predictive Machine Maintenance | Link

- Developed a predictive maintenance model using sensor data from 10,000+ machines, reducing failures by 30%.
- Implemented LSTMs and Random Forest, improving fault detection accuracy by 25%.
- Automated real-time anomaly detection, cutting maintenance costs by 20% and increasing uptime.

Facial Expression Recognition System | Link

- Developed a CNN-based classifier in PyTorch for facial emotion recognition across 7 classes using the FER2013 dataset.
- Achieved 90.3% test accuracy and enabled real-time predictions via webcam integration.
- Applied data augmentation and batch normalization, reducing validation loss by 18%.

Mining Quality Prediction | Link

- Engineered a regression model to forecast ore quality from geochemical attributes and process variables.
- Achieved an R^2 score of 0.87 and reduced prediction error by 22% after hyperparameter tuning.
- Applied multivariate EDA to identify key predictors, cutting model training time by 30%.

TECHNICAL SKILLS

Programming Languages & Tools: Python, SQL, Git/GitHub, Docker, AWS

AI/Data Science: TensorFlow, PyTorch, Generative AI, NLP, Keras

Web development: HTML/CSS, Flask.

Data Analysis & Visualization: Tableau, Excel, Seaborn, Matplotlib.

Soft Skills: Risk management, Cross-functional communication, Critical thinking skills, Teamwork, Strategic Thinking.

ACHIEVEMENTS & CERTIFICATIONS

- **MATLABVerse Hackathon** : Secured 2nd place at VIT Bhopal University, competing against 50+ teams. (Link)
- **IBM Data Science Professional Certificate** (Certificate)
- **IBM Data Analyst Professional Certificate (Certificate)**
- **IBM Generative AI Professional Certificate (Certificate)**

LANGUAGES – English | Hindi | Gujarati