Gauransh Juneja

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Education

Vellore Institute of Technology India
Bachelor of Technology *Aug 2021 - July 2025*

Technical Skills

Languages: Python, C++, R, JavaScript, HTML/CSS, SQL
Machine Learning & AI: Supervised & Unsupervised Learning, Neural Networks, Transfer Learning
Frameworks & Libraries: TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, React.js, Node.js, Next.js
Databases & Cloud: MySQL Workbench, Firebase, AWS
Developer Tools: GitHub, VS Code

Experience

Cognizant (Forage Online Platform) March 2024 - June 2024
AI Job Simulation Trainee *Remote*

- Completed a real-world AI & Data Science simulation, focusing on data-driven decision-making.
- Built 5+ predictive models, incorporating statistical analysis, feature selection, and model tuning.
- Designed ML pipelines for deployment, including hyperparameter tuning and performance monitoring.

HP Computers October 2023 – December 2023
Machine Learning Intern *Noida, India*

- Developed three machine learning models (Iris Classification, Diabetes Prediction, Boston Housing Price Estimation) using Scikit-learn, Pandas, and NumPy, achieving 95%+ accuracy across datasets.
- Applied EDA and feature engineering to optimize dataset quality and improve insights.
- Built a data pipeline for pre-processing, model training, and evaluation.

Projects

Financial Misinformation Detection Model (COLING 2025) | *Python, TensorFlow, Jupyter Notebook* 2025

- Designed an advanced NLP classification model leveraging BERT and RoBERTa architectures to detect financial misinformation with over 90% precision.
- Built a complete ML pipeline including web scraping, data cleaning, tokenization, and deep learning-based classification.
- Enhanced model interpretability using sentiment analysis and attention mechanisms, enabling explainable predictions for financial news.

Solar Flare Prediction Model | *Python, Excel, Jupyter Notebook* March 2024 – July 2024

- Engineered a predictive machine learning model to forecast solar flares and reduce satellite communication disruptions.
- Achieved 92% prediction accuracy through optimized feature engineering and evaluation of multiple ML algorithms.
- Improved operational forecasting reliability by 35%, supporting proactive mitigation strategies in space weather systems.

Certifications

Certified High-Performance Coding (DSA with C++) - Iamneo Jan 2024

- Mastered Data Structures and Algorithms, solving 50+ complex problems with a 30% boost in computational efficiency.

Certified Cloud Practitioner - Amazon Web Services (AWS) Jan 2024

- Achieved AWS Certified Cloud Practitioner accreditation with an exceptional score 800+ marks.

Applied Machine Learning in Python - University of Michigan (Coursera) Jan 2023

- Gained hands-on experience with supervised learning, model evaluation techniques, and scikit-learn workflows, completing a rigorous project-based curriculum.