Gauransh Juneja

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EDUCATION

Vellore Institute of Technology   India
Bachelor of Technology in Computer Science and Engineering   *Aug 2021 - July 2025*

TECHNICAL SKILLS

Languages: Python, C++, SQL.
Machine Learning & AI: Supervised/Unsupervised Learning, Convolutional Neural Network(CNN), Recurrent Neural Network(RNN), Bidirectional Encoder Representations from Transformers(BERT), Data Modelling, Model Building and Interpretation, Machine Learning Production, Quality Assurance (in ML), Langchain, GroqAPI, Streamlit.
Data Science & Analytics: Exploratory Data Analysis (EDA), Data Cleaning, Data Visulaization, Power BI.
Frameworks & Libraries: TensorFlow, Keras, Pytorch, Scikit-Learn, NumPy, Pandas, Seaborn, Matplotlib.
Developer Tools & Databases: MySQL, AWS Firebase,Github, Sublime, VS Code, Docker.

EXPERIENCE

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.

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.

PROJECTS

Financial Misinformation Detection Model (COLING 2025) | *Python, LLM, NLP, Classification*   2025
- Developed BERT & RoBERTa-based NLP model achieving 90%+ precision.
- Built ML pipeline with scraping, cleaning, tokenization & classification.
- Improved explainability using sentiment analysis & attention mechanisms.

ChainSense-AI | *Python, MySQL, Lang chain, Groq API, Streamlit*   2025
- Built AI-powered supply chain tool with demand forecasting & anomaly detection.
- Integrated natural language SQL-free queries via LangChain & Groq API.
- Created Streamlit dashboard with real-time KPIs, forecasts, anomalies & CSV export.

Solar Flare Prediction Model | *Python, MATLAB, Jupyter Notebook*   2024
- Developed predictive model to forecast solar flare events, enhancing satellite communication management.
- Delivered actionable reports to support proactive operational decisions, improving reliability by 35%.
- Used Python, Excel, and SQL for data preprocessing and visualization.

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.