

Vikrant Arora

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EDUCATION

SVKM's NMIMS Navi Mumbai

Bachelor of Technology in Artificial Intelligence and Data Science

August 2025 (Expected)

CGPA (as of semester 6): 3.58/4

RELEVANT COURSEWORK

Artificial Intelligence, Deep Learning, Machine Learning, Reinforcement Learning, Software Engineering, Cloud Computing, Mobile Application Development, Web Programming, Data Handling and Visualization, Evolutionary Computing, Algorithmic Trading, Database Management, Data Structures and Algorithms, Programming for Problem Solving.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL

Software Tools: Docker, Jupyter, Git, Android Studio, Rest APIs, Tableau, Power BI, Amazon Web Services (Cloud Resources)

Frameworks: Flask, FastAPI LangChain, ChromaDB (Vector Store), TensorFlow, PyTorch, Transformers (HuggingFace), Scikit-Learn, Redis (Database)

Products: MeiliSearch, BERT, Postman

Skills: Gemini, Grok and OpenAI API familiarity, Prompt Engineering, NLP, RAG (Retrieval Augmented Generation for LLMs)

PROJECTS

TradePlenty- A B2B resource trading platform

August - October 2023

Languages and Tools Utilized: HTML, CSS, JavaScript, Angular JS, SQL, PHP

- A comprehensive web application to facilitate resource sharing between businesses and traders.

NoteEasy- A native Notes App

August - October 2023

Languages and Tools Utilized: Android Studio Giraffe Java, XML, SQLite 3, Android Studio Giraffe

- An Android notes application which offers single factor authentication.

Research Paper- Exploring the Efficiency of Leading and Lagging Indicators in Algorithmic Trading

Presented in the 2nd International Conference on Advances in Technology and Management, 2024 December 2023 – April 2024

An exploration of various trading strategies used in automated algorithmic trading frameworks in the Midcap Segment of the National Stock Exchange.

Research Paper - An Evolutionary Approach for AQI Prediction using Ensemble-based Models

October 2023 – Ongoing

Unpublished

- An exercise in Air Quality Index Prediction as a time series which uses Genetic Algorithm Optimized Ensemble Learning methods to extract results comparable to deep LSTM and GRU networks.

WORK EXPERIENCE

AI/ML Intern

June 2024 – September 2024

Unstop, On-site, New Delhi

- Developed backend automation workflows for the product team using advanced NLP, varied AI frameworks and techniques, including LLMs and transformer models.
- Also participated in creating the foundations of the website's recommender system.

Machine Learning Intern

June – July 2023

Feynn Labs, Remote

- Participated in the research and development phase of different machine learning projects- Automated Cancer detection, Customer Segmentation Analysis in the EV market, and Customer Churn prediction in the banking sector.

LEADERSHIP EXPERIENCE AND CAMPUS INVOLVEMENT

- **Head of the Editorial Committee of NMIMS Navi Mumbai**

May 2023 – May 2024

Oversaw the activities of the committee: documentation of campus activities, curation of content, including articles, interviews and magazines in the college community.