

Noor Chauhan

📍 Kalyan, Ambernath ✉ noorchauhanwork@gmail.com ☎ 956 11 20773 🔗 noorchauhan.github.io
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About

Motivated to find intelligence in machines led me to pursue my Bachelor's degree in Artificial Intelligence and Data Science Engineering. I am interested to learn to find patterns in machine intelligence that are closely related to the idea of Artificial General Intelligence. I closely follow and participate in related challenges on the Internet such as the ARC-Prize and AIMO progress prize. I am closely interested in research based approaches and academic approaches to such problems. I also explore Liquid Neural Networks and Liquid Foundation Models

Interested in positions related to

Machine Learning
Deep Learning
Program synthesis (Deep Learning Guided)
Enhancing LLMs

Education

University of Mumbai *Sept 2022 – July 2025*
B.E. in Artificial Intelligence and Data Science

- GPA: 8.0/10.0
- **Coursework:** Basic Neural Network terminologies, Programming concepts

Academic Certification Courses

Wharton School and University of Pennsylvania *Dec 2024 – Feb 2025*
Fundamentals of Quantitative Modeling

- **Fundamental Modeling Skills:** Defined quantitative models, mastered the four key types, and learned essential modeling vocabulary and functions.
- **Linear Modeling & Optimization:** Applied linear models to business scenarios including cost/production functions, analyzed discrete/continuous growth and decay processes, performed present/future value calculations, and leveraged classical optimization techniques.
- **Probabilistic Modeling for Risk Management:** Developed models to capture uncertainty and risk using methods like Monte Carlo simulations and Markov chains, with a strong understanding of key statistical distributions (e.g., normal distribution).
- **Advanced Regression Analysis:** Employed regression models—including multiple and logistic regression—to uncover underlying data patterns, interpret coefficients, and predict outcomes for informed decision-making.

Certification Pending [🔗](#)

Experience

Codecell Technical Team *RCOE-CodeCell*
Rizvi College of Engineering *June 2024*

- Lead the technical team to teach new students skills and tools necessary
- Enhanced software communication of college central portals
- Introduced and lead seminars and Open Lectures for students

BlockChain Developer Intern *Work From Home*

- Designe a fork of Private blockchain to integrate business solutions
- Created core technicality to integrate consumer product relations

Academic papers

LLMs are a dead-end in the search for General Machine Intelligence: A Review

November 2024

Noor Chauhan, Musthafa Akolawala[Paper](#) [🔗](#)

Awards

Top 3 (3rd Place) – MoBond VJTI M-Indicator Hackathon

November 2023

Developed an innovative traffic sign recognition and detection system tailored for regional languages using the YOLOv framework. Collaborated with team members *Noor Chauhan* and Abhishek Khadgi to overcome linguistic challenges and enhance real-time recognition capabilities.

[Certification](#) [🔗](#)

Experiments

ESP32 Powered Car

[ESP32-powered-car](#) [🔗](#)

- Developed a ESP32 powered car that leverages the wifi network to communicate with the onboard ESP32 board to control the motors of the Car
- Tools Used: C++, Espressif Systems Board and technologies

Credit Card Fraud Detection

[kaggle](#) [🔗](#)

- Using basic Data Science practices such as gradient boosts and xgboost to detect fraudulent transactions
- Tools Used: Python, Tensorflow

Basic Lane detection

[github](#) [🔗](#)

- Built a basic OpenCV pipeline to detect lane markings on the road from scratch in an image
- Tools Used: Python

Technologies

Languages: C++, Python**Technologies:** ROS, Blender, Azure, AmazonAWS