

Namit Arora

+91-7838962123 | New Delhi | namit.arora@hotmail.com | [linkedin.com/in/namit-dev](https://www.linkedin.com/in/namit-dev) | github.com/BlazeStorm001

Education

Department of Computer Science, University of Delhi

MS. Computer Science

9.032/10 CGPA

2022 - 2024

Indira Gandhi National Open University

Bachelor of Computer Applications

81% (Gold Medalist)

2019 - 2022

Experience

Freelance AI Coder

Outlier.ai, Remote

Dec 2024 - Present

Python

- Working as a Code Reviewer and Prompt Engineer for training of LLM models for Code Generation using RLHF.

Software Engineer (FTE + Intern)

Truminds Software Systems, Gurugram

March 2024 - July 2024

Python, Sci-kit Learn, Flask, Linux, C, GitLab, Docker

- Worked on development of Router Service APIs for **Ericsson** resolving high impact tickets within tight deadlines.
- **Spearheaded** the team to build the IPv6 Passthrough (IPPT) feature, a critical networking capability, from **design to production**, simplifying administration for thousands of network configurations.
- Prototyped several **ML algorithms** to detect anomalous traffic for Cloudshark Data, leveraging TCPDump for real-time packet capture.
- Detected and resolved a critical bug related to Network Time Protocol (NTP) affecting time synchronization in **lakhs** of routers.

Math Expert And Reviewer

Photomath, Remote

July 2021 - July 2022

Mathematics, Adobe Illustrator

- Crafted detailed solutions to 250+ high school and undergraduate-level questions in **statistics**, algebra, and geometry.
- Recognized as a **top reviewer** in the algebra field by reviewing over 300+ math questions written by other Experts.

Projects

Reinforcement Learning Agent for Optimized Drug Dose Adjustment | *Python, PyTorch, MATLAB, OpenAI Gym, Simulink*

- Led a **year-long funded research project** designing a Deep RL agent to optimize drug delivery for diabetic patients, achieving a 6% improvement in blood glucose regulation across in-silico trials.
- Developed a **pipeline** for training RL agents by implementing PyTest-based test cases, building generalized models, and applying transfer learning to create patient-specific models.
- Designed **Time Series Forecasting** models using Temporal Convolutional Networks to predict blood glucose levels.
- Implemented and evaluated state-of-the-art algorithms, such as **RAINBOW** and **PPO**, from scratch with PyTorch.

ResuMate: Resume Analyzer | *FastAPI, React, Next.js, MongoDB, Docker*

- Developed a web app for resume analysis, integrating LLMs via OpenRouter to assess metrics such as grammar, font and skill match.
- Optimized LLM queries with '**asyncio**' for faster performance and implemented Query fallback mechanisms for reliability.
- Deployed the app on Northflank using Docker containers for frontend and backend for independent scaling.

Singapore Live Traffic Monitoring | *Python, Roboflow, OpenCV, Node.js, Javascript, HTML/CSS*

- Won "**Best Technical Implementation Award**" in a worldwide Computer Vision Competition for building a real-time traffic monitoring system.
- Deployed a YOLOv11-based vehicle detection and classification model, enhancing accuracy by 11%, for real-time Singapore traffic monitoring and traffic jam detection on a live website.

Tabby: Vscode Tab Management Extension | *Typescript, VSCode*

- Developed an advanced tab management extension with a vim-like "TAB MODE."
- Enabled bulk actions such as closing and restoring tabs based on patterns or directories.

Volunteering

- **Peer Reviewer**, Elsevier Engineering Applications of AI - Evaluated manuscripts on Machine Learning for technical accuracy and relevance.

Achievements

- All India University Gold Medalist (BCA) - Secured **highest marks across India** in BCA Programme.
- Awarded with UGC NET Junior Research Fellowship, ranking among the **top 40** individuals nationwide.
- Ranked among 97 percentile in **GATE Data Science and Artificial Intelligence** and GATE Computer Science Exam.

Publications

- Namit Arora, Gorset Singh et al, "**Dual Hormone Controller for Type 1 Diabetes based on Dueling Deep Q-Network and Insulin Action Replay**" in Engineering Applications of Artificial Intelligence, Elsevier. (Under Review)

Certifications

- Hands-On Development in AWS (LinkedIn)
- Machine Learning and Deep Learning (Coursera)