

# NAMAN NANDA

+91 8115700008 ◊ Chennai, IN

[namannanda5657@gmail.com](mailto:namannanda5657@gmail.com) ◊ [linkedin.com/in/namannanda3](https://linkedin.com/in/namannanda3) ◊ [github.com/nimo-codes](https://github.com/nimo-codes) ◊ [namannanda.xyz](https://namannanda.xyz)

## EDUCATION

---

**Bachelor of Technology, Computer Science w/s AIML**  
SRM Institute of Science and Technology

Expected 2026  
9.23 CGPA

## EXPERIENCE

---

**Software Engineering Intern**  
Renault Nissan

Nov 2024 - Jan 2025  
Chennai, IN

- Automated financial data workflows using **Python** and **procedural SQL**, reducing processing time by 99.9% (from 7 hours to 30 seconds).
- Designed scalable pipelines to handle large-scale workflows(10K+ rows) with dynamic updates, leveraging **SQL databases** and Unix scripting for distributed environments.

**ML Research Intern**  
Samsung Prism

Mar 2024 - Jul 2024  
Chennai, IN

- Developed **GANs and cGANs** using a subject-driven approach (Dreambooth's method), refining image generation quality by improving resolution by 512 pixels. Integrated a text-to-image pipeline with **LLaMA and Stable Diffusion** for superior prompt generation.
- Fine-tuned a Stable Diffusion model on a 50-image product dataset with LoRA, optimizing the img-to-img pipeline and Refiners training for superior performance while efficiently managing low GPU-RAM usage.
- Currently in the process of filing a **worldwide patent** with **Samsung R&D** for the innovation; **research paper** submission underway to publish the methodology and results.

## PROJECTS

---

**FireWatch** ([firewatch-hosted.vercel.app](https://firewatch-hosted.vercel.app))

- Developed a distributed system using NASA satellite data for real-time fire detection with a fine-tuned VGG-19 model, achieving 95%+ accuracy and enabling scalable, real-time deployment with MLOps practices.
- Implemented a system using a pre-trained VGG-19 neural network, fine-tuned on 42,000 images getting a test accuracy greater than 95%.

**Formulary Lens** ([v0-ai-us-formulary-ey5461.vercel.app](https://v0-ai-us-formulary-ey5461.vercel.app))

- Developed a real-time Medicare Part D analytics platform using Tableau for visualization and **Google Cloud MySQL** for centralized **ETL-driven data integration**, enabling AI-powered insights for pharmaceutical market access.
- Engineered a no-code AI-driven analytics platform using **few-shot prompting for dynamic SQL execution** on GCP MySQL, seamlessly integrated with **Tableau via API** for real-time formulary intelligence.
- Built a **Flask API** powered by **Mistral 7B** to analyze formulary data, generating predictive market insights and future drug coverage trends for strategic decision-making.

## HFT-Optima

- Developed a **Deep Q-Network (DQN)** for high-frequency trading (HFT), enabling rapid decision-making and execution in milliseconds.
- Leveraged **AWS EC2** for model training and real-time data computation. Implemented TensorFlow and PyTorch-based DQNs to optimize high-frequency trading decision-making, reducing latency by **5 milliseconds**.
- Integrated risk management features within the DQN model to dynamically adjust trade sizes based on real-time market volatility, helping to mitigate risks and reduce drawdowns during periods of market instability.

## TECH STACKS

---

|                                    |  |
|------------------------------------|--|
| <b>Programming</b>                 | Python,C/C++   |
| <b>Automation</b>                  | Selenium, UiPath, Power Automate, BeautifulSoup4, Unix   |
| <b>Backend Development</b>         | Flask, REST APIs   |
| <b>Database Management</b>         | MySQL, MongoDB, Oracle                                   |
| <b>Machine Learning Frameworks</b> | PyTorch, TensorFlow, Scikit Learn, LangChain, RAG, LoRA  |
| <b>MLOps</b>                       | Model deployment, workflow automation, real-time scaling |
| <b>Data Tools</b>                  | Pandas, NumPy, Matplotlib, Tableau                       |

## PROFESSIONAL CERTIFICATIONS

---

- Oracle Cloud Infrastructure Certified Foundations Associate — [Link](#)
- Fortinet Certified Associate in Cybersecurity — [Link](#)

## PUBLICATIONS

---

- Pranav G, Advith K, Naman N (2024) "*ViDAS: Vision-based Danger Assessment and Scoring*" In: Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP)

## KEY ACCOMPLISHMENTS AND LEADERSHIP ROLES

---

- Selected among the top 20 students from India's premier science and technology institutes for a **fully funded research internship at Australian National University, Canberra** under the Future Research Talent (FRT) Program, starting in **June 2025**.
- President at Next Gen AI Club, organizing the university's largest hackathon and collaborating with professors on innovative coding and machine learning projects.
- Winner of CodeFest 2025, Developed an AI-powered platform for automating Medicare Part D formulary updates, enhancing market access insights and strategic decision-making.
- Member of QS awarded Next Tech Lab, the only organization from India to win the QS Reimagine Education 2018 award.
- Developed a complete website in collaboration for an NGO.
- Volunteering for the Art of Living NGO for the past 5 years, contributing to community welfare and mental well-being initiatives.