Nirajit Pramanik

B.Tech Computer Science
Specialisation in AI/ML
Vellore Institute of Technology, Chennai, India

📞 +91-9035056918
✉ nirajitpramanik@gmail.com
🌐 https://nirajitpramanik.github.io/

⭘ @nirajitpramanik
in @nirajit-pramanik

RESEARCH EXPERIENCE

- **Vellore Institute of Technology, Chennai** — *Chennai, India*
  Researcher — December 2023 - Present

  – Working on an automated system to detect Deepfakes from a video.
  – Worked on an emotion recognition from speech project for Indian languages.
  – Worked on a patent about a Temporary Circuit Breaker that was able to block the flow of current and save electricity based on a schedule fed into the system.

WORK EXPERIENCE

- **Fractal AI** — *Bengaluru, Karnataka, India*
  Project Intern — June 2024 - August 2024

  – Worked in the CPG Consulting domain with one of the largest CPG clients for their Net Revenue development. Worked with AI models and learnt about different CPG topics.
  – Got the chance to work with the **GenAI** team on creating a chatbot for Growth Revenue development using different agents and tech stacks. Delved into **data visualisation and analysis** to create a RAG model for the chatbot.

- **Freelancer** — *Remote*
  Developer — December 2021 - Present

  – **Web Developer**: Worked as a web developer, developing sites for various communities and individuals. Using HTML, CSS, JavaScript and Django API, multiple sites were developed.
  – **Discord Bot Developer**: Worked as a bot developer using Python language. By using the discord API, multiple bots were developed that were then hosted for the purpose of communities with over 80,000 members.

- **Intel Corporation** — *Remote*
  Apprentice — June 2021 – July 2021

  – Became a part of Intel's Apprenticeship program as a collaboration between **CBSE India and NYC Singapore**. Was a part of the 50 students selected from both countries as a part of this program.
  – Learnt the basics of **Artificial Intelligence, Machine Learning, Machine Vision and Natural Language Processing** in the program.
  – Concluded the program by building a project using ML and Computer Vision that would be able to recommend the nutrition component in the food shown to the model.

EDUCATION

- **Vellore Insititute of Technology, Chennai** — *2022-2026*
  B.Tech Computer Science with specialisation in Artificial Intelligence and Machine Learning — **CGPA: 9.44/10**
- **AECS Magnolia Maaruti Public School, Bengaluru** — *2020-2022*
  Higher Secondary Education — **Grade: 93%**
- **National Public School, Banashankari, Bengaluru** — *2013-2020*
  Secondary Education — **Grade: 94.4%**

PROJECTS

- **Freelance Projects** *2021 - Present*

  - **Translation Bot** | Created a translation bot usable on Discord using Amazon Web Services and Discord API. The bot could translate between multiple international languages and is used by a community with over 3,000 members.
  - **Discord Football Website** | Created a website for a Discord community of over 70,000 members.
  - **Profile Websites** | Created profile websites for multiple individuals as well as clubs and companies.

- **Personal Projects**

  - **AI Rock, Paper, Scissor** | Created a Machine Learning model that learns the users past patterns of playing the traditional Rock, Paper, Scissor game, and predicts the next move.
  - **Personal Assistant** | Created an audio based personal assistant in Python which could listen to the commands of the user and reply to them, much like a phone's personal assistant.
  - **Expense Tracker** | Using Flutter created an application to track expenses during a period of time, and many other functionality.
  - **Football Predictor** | Currently working on a project that reads data from a football API, and uses a Machine Learning model to predict the outcome of the future games.

TECHNICAL SKILLS

Expertise: Artificial Intelligence, Machine Learning, Generative AI, Web Development, App Development, Computer Vision, CPG Analytics

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, Dart

Developer Tools: VS Code, Anaconda, Firebase, Amazon Web Services, Power Bi

Technologies: GitHub, Fedora Linux, PostgreSQL, Django, Docker, Excel

Frameworks: Tensorflow, PyTorch, Keras, YOLO

Softskills: Leadership, Management, Teamwork, Communication, Creative thinking, Analytical & Problem solving, Time Management, Multilingual

LEADERSHIP / EXTRACURRICULAR

- **Academic achievements**

  - University Rank 3 (for achieving CGPA 9.82)
  - Part of Intel's AI4Youth program between 2019 to 2021

- **Social Volunteer & Sports**

  - Played football at the national level in 2017.

CERTIFICATIONS

- Python - LinkedIn Skill Assessment
- What is Generative AI? (LinkedIn Learning)
- Introduction to Generative AI (AWS Educate)