Pranjal Sonawane

Portfolio Website : **Nullblocks.Study**

📞 +91-7028242921

✉ pranjal7028@gmail.com

 GitHub Profile

 LinkedIn Profile

EDUCATION

• **Pillai HOC Collage of Engineering and Technolgoy** *2021-24*

Actively Research in ML-based ransomware detection for a major project .

• **Government Polytechnic Mumbai —Diploma** *2018-2021*

Major Project was based on NLP i.e Faculty Evaluation System.

PERSONAL PROJECTS

• **Dyanodaya** *AI & LLM*

An AI based system which explain topic in easy way and create diagrams from stable diffusion

- Led an innovative project leveraging Generative AI to enhance student learning .
- Incorporated diagrams and concise summaries of textbook points for easy comprehension.
- Technology Used: Python, Hugging Face, LLM, ngrok . [Code & Blog]

• **RSS aggregator** *Web scraping*

Robust API using Golang to aggregate RSS feeds

- Developed t API to aggregate different RSS feeds, which are then stored in a PostgreSQL database.
- Enabled users to subscribe to specific RSS feeds, and efficiently retrieved and displayed their subscribed content.
- Technology Used : Golang, Postgress, Postman .[Code & Blog]

• **Detection of Phishing website** *ML*

A system used find phishing website and aware user with help of chrome extension .

- Utilized diverse ML models to detect phishing URL and develop extension to ideatify & block phishing website .
- Employed Pi-hole to effectively block 90% ads, reducing user's exposure to potential cybersecurity risks.
- Technology Used: Python, Raspberry Pi, Flask. [Code & Blog]

• **Faculty Evaluation System** *NLP*

Major Project of Diploma used by HOD's to evaluate faculty

- Utilized NLP for classifying faculty reviews as positive, negative, or neutral, and performed exploratory analysis .
- Developed an automatic report generator to summarize sentiment and provide insights from the reviews.
- Technology Used : Python, NLTK, Heroku .[Code & Blog]

EXPERIENCE

• **ML Research Intern** *July 2023 - Present*

Reva Tech Hybrid

- Contributing to the development of an innovative application.which engages users in conversations, utilizing their hobbies, daily activities, and interests to tailor career guidance .
- Exploring various Large Language Models (LLMs) to optimize the bot's understanding of users' preferences, continuously refining the model to enhance user interactions.
- By gathering and analyzing user data, the chatbot provides comprehensive career guidance, suggesting relevant resources and paths aligned with user's aspirations and interests.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Golang, Javascript, ShellScript
Tools: Netlify, AWS, Docker, Linux, Git, Github
Frameworks: Flask, FastAPI, Htmx, Hugo
Databases: MongoDB, Firebase, Mysql , Postgress SQL
Areas of Interest: Web Development, Cyber Security , Networking , Machine Learning
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

ACHIEVEMENTS

• **Hackoverflow top 10 Team for project MediFund (Web3)** *Feb 2023*

• **Selected for amazon ML summer school 2022** *July 2022*