Prajwal M Pawar

✉ prajpawar23@gmail.com 📞 +91-8073011850 📍 Bangalore, India ⌁ Personal Website in LinkedIn

EXPERIENCE

Project Intern, *Qualcomm*   07/2023 – present
                                                                     Bangalore, India
- Working on Qualcomm's HVX core to offload compute-intensive tasks from the CPU to the Hexagon DSP
- Crafted a module implementing **Eigen Value Decomposition** using Qualcomm's **HVX instruction set**, employing the QR algorithm
- Refined Sobel (CNN filter) optimizing performance through **multi-threading**, **instruction set utilization**, and **Bash scripting**

Chair, *IEEE Computer Society*   02/2023 – 02/2024
                                                                     Bangalore, India
- **Led and organized** the student chapter of the IEEE Computer Society
- Spearheaded **Hack4Soc 2.0** 🔗 , **a 24-hour All-India Hackathon**, overseeing all aspects. With over **600 registrations**, solidified it as the flagship hack of RVCE 🔗

PROJECTS

TalkTube 🔗
- A browser plugin that **creates the most important sections** for a YouTube video along with the respective **timestamps**
- Prompts users to **ask any question** related to the video and provides an **accurate answer** based on the content in the video along with the **timestamp**
- Implemented **Retrieval Augmented Generation (RAG)** using **LlamaIndex, Vector Databases, LLMs**

IPL Score Predictor 🔗
- Built a **Ridge Regression** model from scratch based on the data from 2008-2017 IPL season
- The model takes in various parameters and predicts an innings score
- Used **Flask, Jupyter Notebook, HTML, CSS and Render** to host the webapp

NoteIT 🔗
- Developed the website with Flask to include **authentication, databases and CRUD operations**
- Users can create accounts with mail IDs and login with authenticated credentials to **create and delete** their notes

EDUCATION

B. E in Artificial Intelligence and Machine Learning, *R V College of Engineering*   2021 – 2025
CGPA: 9.03   Bangalore, India

Secondary Education, *National Public School*   2019 – 2021
Activities and societies: Junior President - Science Association   Mysore, India
Grade: 9.72/10

SKILLS

Languages (C++, Python, C, JAVA, Javascript, HTML, CSS, SQL)

Frameworks & Libraries (Pytorch, Transformers, Streamlit, LlamaIndex, Numpy, Pandas, React.js, Node.js, Flask)

Tools (Git, Render, VS Code, Eclipse, Postman)   **Databases** (MySQL, ChromaDB)

ACHIEVEMENTS

- **Runners-Up** in **Hack4Soc**, an inter-college hackathon organized by IEEE which had over 150 participants
- Selected as **Mentor's Favourite Team** at **GenAI RUSH Buildathon** out of **12k+ registrations (Top 1%)**
- Finished in the **top 10 at KodiKon 3.0** - a national level hackathon out of 380 teams
- Shortlisted for **SEBI Global Fintech Fest Investor's Hackathon** out of 10k+ registrations