

Prajwal M Pawar

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EXPERIENCE

Qualcomm, Software Engineer Intern

May 2024 – Jul 2024

Bangalore, India

- Conducted in-depth research on **GPU programming** and optimizing GPUs for machine learning algorithms
- Developed CUDA code from scratch, demonstrating a strong understanding of the **CUDA framework** including the use of libraries like **cuFFT** and **cuBLAS**
- Acquired comprehensive expertise in **benchmarking** and **profiling AI PCs** through detailed performance analysis, identifying bottlenecks and areas for improvement

IEEE Computer Society, Chair

Feb 2023 – Feb 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

Dec 2021 – Aug 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 — Node.js, Express.js, Numpy, Pandas, Flask, Sci-Kit Learn, Streamlit, CUDA, Pytorch, Transformers, LlamaIndex

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
- Selected & completed **Amazon ML Summer School 2023**, gaining valuable insights and advanced skills in ML