

# Prajwal M Pawar

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## EXPERIENCE

### Qualcomm, ML Intern

05/2024 – present  
Bangalore, India

- Benchmarked GPUs by executing various functions, including **GEMM** and **FFT**, using **cuBLAS** and **cuFFT** libraries
- Developed and executed **CUDA code from scratch**, optimizing performance through meticulous profiling
- Acquired comprehensive expertise in **benchmarking and profiling AI PCs**, ensuring high efficiency and performance of AI applications

### IEEE Computer Society, Chair

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

CGPA: 9.03

2021 – 2025  
Bangalore, India

### Secondary Education, National Public School

Activities and societies: Junior President - Science Association

Grade: 9.72/10

2019 – 2021  
Mysore, India

## SKILLS

**Languages** — C++, Python, C, JAVA, Javascript, HTML, CSS, SQL

**Frameworks & Libraries** — Pytorch, Transformers, CUDA, 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
- Selected & completed **Amazon ML Summer School 2023**, gaining valuable insights and advanced skills in ML