

# Prajwal M Pawar

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## EXPERIENCE

### Qualcomm, Machine Learning 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

### NotelT 🔗

- 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, C++, Python, Java, Javascript, HTML, CSS, SQL

**Frameworks & Libraries** — Apache Hadoop, CUDA, Numpy, Pandas, Flask, Sci-Kit Learn, Pytorch, Transformers, LlamaIndex, Node.js, Express.js

**Platforms & Tools** — Linux, BASH, Git, VS Code, Eclipse, Postman

**Databases** — MySQL, ChromaDB

## ACHIEVEMENTS

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