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 performance analysis, identifying bottlenecks, and **reducing execution time by 20%**

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 in under 30 seconds**
- 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, Bangalore, India
CGPA: 9.03

Relevant Coursework: Artificial Intelligence, Deep Learning, Natural Language Processing, Data Structures & Algorithms, Computer Networks, Operating Systems, Information Retrieval, Database Management Systems, Big Data

Secondary Education, *National Public School* — 2019 – 2021, Mysore, India
Activities and societies: Junior President - Science Association
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, TensorFlow, Transformers, LlamaIndex, Node.js, Express.js

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

Databases — MySQL, ChromaDB

ACHIEVEMENTS

- Shortlisted for **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