VELAN E

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Education

Christ (Deemed to be University) – Bangalore, India   **Graduated May 2025**

Bachelor of Science in Computer Science, Electronics and Mathematics

Relevant Experience

Core team member – Labyrinth, the Computer Science club   **July 2023 – August 2024**

- Managed project workflows for **124** students by organizing them into collaborative groups and coordinating with other clubs. **Authored 5+ technical articles** published in the departmental magazine.
- Ran sessions and mentored juniors helped the club members build their personal projects from various fields.

Google cloud Arcade Trainee – Google cloud   **September 2023 – December 2023**

- Gained hands-on experience with Google Cloud services, completing over 50 practical labs and projects.
- Learned various Google Cloud tools and services, including **Big Query, APIs, and Cloud Functions**.

Community & Contribution

- ❖ OpenAI – VIP Member, active contributor in GPT model discussions.
- ❖ NVIDIA – GTC 2025 participant, Developer Program member (simulation, agentic AI, HPC).
- ❖ Google – Google Cloud Arcade trainee ($500 credits, 50+ labs), Student Developer Club member.

Main Projects

Campus GreenMap *(Web, Graph Theory, cloud)*   *treesatcucentral.vercel.app*

- Built & launched a **tree-mapping platform** from 0→1, acquiring **2,000+ users in week 1**.
- Designed using graph algorithm + Firebase. *Under review for official adoption by the university*.

Carpooling platform *(Python, Full-stack, System Design)*   *github.com/chilly23/Via.git*

- Designed an Uber-like platform with **traffic simulations, map algorithms, and PostgreSQL real-time DB**.
- Implemented multi-threaded real-time matching and caching, optimizing for 1,000+ concurrent users.

LinkedIn Network iterator *(Java, Web, Data Structures & Algorithms)*   *linkedin.com/posts/velan-e*

- Pre-processed, managed and made an app to **monitor my LinkedIn connection network of 910 profiles**.
- Applied clustering with their ranks, mutuals and organization with low-latency (non) relational database.

Data science and ML projects *(Machine Learning, Data analytics)*   *github.com/chilly23/F1-Analysis.git*

- Designed and deployed **Machine Learning models** in Full stack software and Embedded level projects.
- Recent performance analytics on the *Formula 1* **Spanish Grand Prix Race Day** using Colab & FastAPI.

CUDA and Parallel computing *(Computer Architecture, Cloud)*

- Explored **high-performance computing & optimization** by prototyping a partial GPU accelerator.
- Gained exposure to **system architecture, debugging bottlenecks, and optimization techniques**.

Skills/Courses relevant

Python, C/C++, React, CSS, HTML, JavaScript/TypeScript, Java, SQL, CUDA, Linux

Distributed Systems, OS, Relational databases, Google Cloud, Object-oriented design, Problem solving

Computer Architecture, APIs, System Design, Code Reviews, GPUs, Data Structures, Algorithm Design

Computer Vision, Testing automation, Version control, Machine Learning, UIUX. Data-analytics