

POORVI H C

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Education

International Institute of Information Technology - Hyderabad (IIIT-H)

November 2021 – July 2026

BTech in Computer Science and MS in Computational Natural Sciences. CGPA - 8.8

Hyderabad, Telangana

Skills

Languages: C, Python, C++, R, GO, HTML/CSS, SQL, LaTeX, Markdown, JavaScript, Bash Script, MATLAB

Technologies/Frameworks: Redux, ReactJS, ExpressJS, NodeJS, MongoDB Atlas, Fusion.js, MinIO, ElasticSearch, OpenCV, Linux

Relevant Coursework: Data Structures and Algorithms, Full Stack Web Development, Algorithm Analysis and Design, Probability and Statistics, Operating Systems and Networks, Computer Architecture

Experience

Stripe

Typescript, Ruby, MongoDB

Software Engineering Intern

May 2025 - July 2025

- Worked as a Software Engineering Intern in the **Support Experience Team**, developing an end-to-end multi-currency charge lookup flow with secure handling of sensitive financial data through **state-driven workflow management**.
- Productionized and deployed to **100% of Stripe users**, reducing support cases by **120 cases per week** with enterprise-grade security for sensitive payment information.

Uber

Typescript, Redux, Fusion.js, GO

Software Engineering UberSTAR Intern

May 2024 - Present

- Worked as a Software Engineering Intern in the **Payment Compliance Team**, significantly enhancing the codebase and developing a central dashboard as a full-stack application using Fusion.js (React), TypeScript, and Go.
- Designed and implemented a central dashboard to streamline entity verification processes, enabling **region-specific customization**, thereby reducing the effort needed to scale across various user types and regions significantly.

CCNSB, IIIT Hyderabad

R, Python, ML

Computational Biology Researcher

June 2023 - Present

- Conduct research as a Student Researcher under the guidance of **Dr. Vinod PK** at **CCNSB** lab, **IIIT-H**.
- Drafted a paper analyzing liver transplant datasets to identify **non-invasive biomarkers** for rejection diagnosis.

Publications

- Poorvi, H. C., Bhole, G., Madhav, J., Vinod, P. K., Bhimalapuram, P. (2025). *Breast cancer subtyping with HyperCLSA: A hypergraph contrastive learning pipeline for multi-omics data integration*. Accepted for publication in the Proceedings of the **11th International Conference on Pattern Recognition and Machine Intelligence (PReMI 2025)**, IIT Delhi, Springer, Lecture Notes in Computer Science (LNCS). (Peer-reviewed conference paper, forthcoming)

Projects

Building a Network File System from scratch | C, TCP/IP socket programming

November 2023

- Engineered a resilient **Network File System (NFS)** with Clients, Naming Server, and Storage Servers, streamlining file operations and data management in a distributed network.
- Executed concurrent client access, incorporated error handling with descriptive codes, and optimized search mechanisms using advanced data structures, resulting in improved overall system performance.

C-Shell | C, system calls, OS and networking (TCP/IP)

August 2023

- Designed a **feature-rich C-based shell** supporting system commands, I/O redirection, pipes, signals, etc.
- Developed a highly modular codebase incorporating prompt display, advanced command parsing, directory navigation, and innovative features such as command history and internet-based man page retrieval.

Achievements

Uber She++

Selected as one of top **35** women for the coveted **UberSTAR internship** from Uber She++.

Teaching Assistant (TA)

TA for the courses **Algorithms Analysis and Design**, **Statistical Methods in AI**

Women Engineers Program (WE)

TalentSprint supported by Google

Leadership positions

Vice Coordinator at E-cell IIIT-H, **LeanIn Coordinator** for the year 2023-24

Megathon Winner

Won with a **team of 5** in the largest student-run hackathon in Hyderabad

KVPY Scholar (affiliated with IISC Bangalore)

Recieved an All India Rank (AIR) of **298**

Indian Olympiad Qualifier in Biology (IOQB)

One of 13 students in the state of Karnataka selected for prelims