Pavithra Mohan
Computer Science Student

Contact

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📍 Chennai, Tamil Nadu

Education

B.Tech, Computer Science & Eng.
Amrita Vishwa Vidyapeetham
2023 – 2027

High School, CBSE
Pon Vidyashram
Senior (XII): 83.8% | Secondary (X): 82.2%

Technical Skills

Programming

Python · JavaScript · Java · C

Web & Mobile

HTML5 · CSS3 · JS Frameworks · Android

Design & 3D Tools

Blender · Unity · AutoCAD · UI Design

Soft Skills

Team Leadership · Collaboration · Critical Thinking · Problem-Solving · Public Speaking · Strategic Planning

Languages

English: Professional

Tamil: Native

Hindi: Limited

About Me

A motivated Computer Science student with a solid foundation in frontend development and a passion for building responsive, user-friendly interfaces. Possesses hands-on experience through multiple capstone projects, published research in Generative AI, and leadership roles in technical and creative clubs. Seeking to apply skills in software development, 3D design, and data analysis to solve challenging problems in a dynamic work environment.

Experience & Leadership

Researcher - Generative AI in Healthcare
Amrita Vishwa Vidyapeetham

- Conducting research on the application of Generative AI in the medical field.
- Presented four research papers at national and international conferences, including two at IIT Roorkee.

VFX Manager - Amigos Club
Amrita Vishwa Vidyapeetham

- Managed and executed creative projects, including a campus map design event and a VR/AR gaming stall.

Design & Production Member - TEDx Club
Amrita Vishwa Vidyapeetham

- Responsible for designing event branding, merchandise, and supporting the visual identity of TEDx events.

Projects

Frontend Developer - Capstone Projects

- Designed and developed responsive UIs for four course-related capstone projects using modern web technologies.
- Demonstrated strong skills in UI/UX design and frontend architecture. Projects are available on GitHub.

Publications

Revolutionizing Medical Data Generation…
Pavithra Mohan, Parvathy S., Umamageswaran V.

Published as a book chapter by **Taylor & Francis (CRC Press)**. Co-authored research evaluating Generative AI models for creating realistic synthetic clinical data.

Activities & Achievements

Certifications
- Cisco Certified: Networking Basics (August 2025)

General
- Participated in hackathons hosted by **Adobe India** and **IIT Madras**.
- Recognized as **Runner-Up in a State-Level Yoga Championship**.
- Attended workshops on AWS Cloud Services, 3D Printing & Robotics, and 3D Designing.