

MEGHANA HJ

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Career Objective

Aspiring Web Developer with a strong foundation in web technologies and software development. Seeking to build scalable, user-friendly web applications while continuously learning modern tools and frameworks. Eager to contribute to impactful projects and grow as a professional developer.

Education

Global Academy of Technology

Bachelor of Science in Computer Science (CGPA- 9.0)

Sep. 2023 – Jun 2027

Bengaluru, Karnataka

Oxford Independent PU College

PCMB(Percentage-82)

Jun. 2021 – May 2023

Bengaluru, Karnataka

Relevant Coursework

- Data Structures
- Algorithms
- Web Technologies
- Full Stack Dev
- Python Programming
- Java Programming
- JavaScript
- Operating Systems

Projects

AquaHarvest Pro | Web Development, AI Assessment, Data Visualization, Sustainability Tech

Sept 2025

- Developed a full-stack, AI-powered web application for rooftop rainwater harvesting assessment with personalized system recommendations
- Designed a multi-step assessment wizard capturing location, property, household, and budget details to compute feasibility and water savings
- Implemented interactive dashboards using Chart.js to visualize harvest potential, cost savings, payback period, and environmental impact
- Integrated multilingual support and government subsidy guidance to improve accessibility and adoption across diverse communities

Custom Shell Development | Python library, Web development, System programming, Text processing

July 2025

- Designed and implemented a custom Linux shell with command aliases, interactive prompts, and workflow optimizing shortcuts
- Integrated a voice-command system using speech recognition and web speech api to enable hands-free file creation and navigation.
- Advanced Linux shell terminal with integrated voice commands.

TeachmateAI Faculty Dashboard | React.js, JavaScript, CSS

January 2025

- Designed a full-stack academic assistant dashboard with syllabus tracking, AI-based suggestions, and faculty tools.
- Built a responsive login system with role-based access (Admin/Faculty), localStorage auth, and loading states.
- Integrated notifications, collaboration tools, and resource libraries for a complete faculty productivity suite.

Personal Portfolio Website | <https://meghanahj.github.io/>

Dec 2024

- Developed a responsive personal portfolio website to showcase projects, skills, and achievements with a modern UI/UX design.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, Node.js application, Docker

Developer Tools: VS Code, Eclipse, Code Block

Technologies/Frameworks: Ubuntu, Windows, Mac OS, REST APIs

Leadership / Extracurricular

IT Virtuoso Club

Co-ordinator

Sept 2024 – Present

Global Academy Of Technology

- Serve as the Cultural Coordinator, organizing and overseeing cultural activities and events