ELCHURI TEJA HARSHINI

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Professional Summary

Results-driven Computer Science undergraduate with a strong foundation in software engineering, data structures, and algorithms. Experienced in full-stack web development using HTML, CSS, and JavaScript, with growing expertise in AI/ML and cloud computing (AWS). Proven ability to take initiative in collaborative and leadership roles; passionate about building scalable, impactful software solutions. Seeking to contribute to innovative engineering challenges at Google.

Education

Vignan's Lara Institute of Technology and Science *2024 – Present*
Bachelor of Technology (B.Tech) – Computer Science and Engineering *Bapatla, Andhra Pradesh*

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Python Programming, Computer Networks, Database Management Systems
- Active participant in technical competitions and collaborative engineering initiatives

Technical Skills

Languages:	C++, Python, JavaScript, HTML5, CSS3
Frameworks & Tools:	Git, VS Code, Web Development with AI, Basic AWS Cloud Services
Core CS Concepts:	Data Structures, Algorithms, Problem Solving, Object-Oriented Design
Domains of Interest:	Artificial Intelligence / Machine Learning, Cloud Computing, Full-Stack Web Development

Projects & Software Campaigns

Personal Portfolio Website *HTML, CSS, JavaScript*

- Designed and deployed a responsive, multi-page personal portfolio showcasing software projects, skills, and certifications
- Implemented mobile-first UI principles, ensuring cross-browser compatibility and optimal rendering on all screen sizes
- Integrated semantic HTML5 and accessible CSS layouts to improve discoverability and user engagement

AI-Assisted Web Application *Web Development with AI, JavaScript, CSS*

- Built an AI-powered web project as part of Internshala's "Web Development with AI" certification program
- Leveraged AI tooling to accelerate development workflows, reduce debugging time, and enhance application functionality
- Applied modern front-end patterns to deliver a clean, user-centric interface with interactive features

Algorithm Visualization Tool *C++, Python*

- Developed a solution-focused tool to visualize core algorithmic concepts including sorting, searching, and graph traversal
- Applied problem-solving skills earned from HackerRank certifications in Python and C++ to implement efficient data structures
- Strengthened understanding of time-space complexity trade-offs through hands-on experimentation

Certifications & Training

- **Web Development with AI** – Internshala Trainings 2024
- **Problem Solving (Basic)** – HackerRank 2024
- **Python (Basics)** – HackerRank 2024
- **Programming, Data Structures and Algorithms Using Python** – Course Completion 2024
- **Create a Simple Web Page with HTML in 10 Minutes** – Completion Certificate 2024
- **Certificate of Participation – Algorithms (Shailaputri)** – Technical Event 2024

Leadership & Extracurricular Activities

- Took initiative in leading collaborative software development tasks within academic team settings, fostering structured communication and delivery timelines
- Participated in the **Algorithms – Shailaputri (Strength)** technical event, demonstrating competitive problem-solving ability under time constraints
- Continuously self-study emerging technologies in AI/ML and AWS cloud architecture to stay aligned with industry best practices

Achievements & Keywords

Completed multiple industry-recognized certifications in software development, algorithms, and Python within the first year of B.Tech. Demonstrated a growth mindset by pursuing AI-integrated development tools and cloud technologies, aligning with Google's engineering culture of innovation. Actively expanding expertise in **machine learning**, **cloud infrastructure (AWS)**, **REST APIs**, **Git/version control**, **agile methodologies**, **object-oriented design**, and **systems programming**.