lavanya cheshani
Software Engineering Undergraduate

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As an aspiring undergraduate software engineer with a passion for technology and innovation, I believe my technical proficiency, adept problem-solving, and eagerness to learn position me as an excellent candidate for a technology industry internship.

EDUCATION

● **SLTC Research University**
  BSc (Hons) in Software Engineering

June 2022 - Present

SKILLS

Technical Skills

- Programming Languages: Java, Python, C, Django
- Web Technologies: HTML, PHP, CSS, JavaScript
- Database: MongoDB, MySQL, Firebase
- Frameworks: MERN stack, React Native, Flutter, Java ecosystems
- IDE: Visual Studio Code, IntelliJ
- UI/UX Design: Figma, Axure 10
- Version Control: Git
- Other: Microsoft Office Suite, Photoshop

Soft Skills

- Communication
- Team Collaboration
- Problem-Solving
- Adaptability
- Time Management
- Leadership
- Attention to Detail
- Continuous Learning

PROJECTS

- **HirelyAI**

I've developed an AI-powered job hiring site with the MERN stack that allows recruiters to post jobs and questions related to that role. An outside user can view the jobs and answer the questions related to the job position. A fine-tuned model then analyzes the answers submitted by the user and categorizes them into three categories: good, moderate, and bad, which are then shown to the recruiter.
Technologies: **React, TypeScript, Node.js, Express.js, Mongo DB, Open-AI, Python, Clerk**

- **Real-Time Stock Market Auction using Python Web-Socket**

Description: Developed a real-time stock market auction system using Python and WebSocket technology. The project involved designing a bid timing mechanism, implementing a publisher-subscriber model, and ensuring unique client IDs. It also utilized an efficient data structure to track bid changes. The project incorporated functional and non-functional requirements, employed a transport layer protocol, and included additional functionality in the application layer.
Technologies: **Python, WebSocket**

- **MedConnect**

Description: Led the groundbreaking MedConnect project, revolutionizing healthcare in Sri Lanka. Spearheaded the development of a medication location platform, enabling seamless access to vital medicines. Advanced to AI-powered phases, analyzing medical reports for actionable insights and introducing a cutting-edge AI Medical Assistant for personalized healthcare support. The project caters to diverse medical needs, addressing medication scarcity and enhancing patient care through technology.
Technologies: **JavaScript , Next.js, Tailwind CSS, TypeScript, Firebase Authentication , OpenAI API**

- **Canteen Management System**

Description: Successfully designed and implemented a comprehensive Canteen Management System, streamlining food service operations. The system includes features for efficient order placement, inventory management, and financial tracking. Enhanced user experience through a user-friendly interface, contributing to improved canteen efficiency and customer satisfaction.
Technologies: **PHP , PHPmyadmin database, SQL**

- **Food Queue Management System**

A java based program with JavaFX GUI to manage customers in a food queue. It includes functions for viewing, adding, and removing customers from queues, sorting customers, managing burger stock, and storing/loading program data.
Technologies - **Java , JavaFX**

ACHIEVEMENTS

- Innovation Creativity Entrepreneurship (ICE) 2024 - Best Pitch
- IEEE INSL provincial competition 2023- 1st runners up
- Coderally 4.0 competition - Top 10 teams
- Participate Aces coders V10.0

CERTIFICATIONS

- Completed Certificate Course Of Principles of UX/UI Design issued by META | 2023
- Completed Certificate Course Of Machine Learning with Python issued by IBM | 2023
- Completed Certificate Course Of Django Application Development with SQL and Databases issued by IBM | 2023
- Completed Certificate Course Of Developing AI Applications with Python and Flask issued by IBM | 2023
- Completed Certificate Course Of Introduction to Generative AI issued by GOOGLE CLOUD | 2023
- Completed Certificate Course Of Python issued by UNIVERSITY OF MORATUWA | 2022
- Completed Certificate Course Of Web Development And Programming issued by UNIVERSITY OF MORATUWA | 2022
- Completed Certificate Course Of Front-End Web Development issued by UNIVERSITY OF MORATUWA | 2023
- Completed Certificate Course Of Python issued by HAKKERRANK | 2023
- Certificate Of CodeRally 4.0 compititon Top 10 teams issued by UNIVERSITY OF IIT | 2023

EXPERIENCES

- Commercial Bank Badulla (2020/21)

Position: Banking Trainee

VOLUNTEERING

1. Google Developer Group Sri Lanka (2024/25)
   - Position-Volunteer
2. IEEE CS SYP Micro-Mentoring at IEEE Computer Society SYP (2024/25)
   - Position: Regional Liaison and Coordinator (Region 10- Asia and Pacific)
3. Industry Engagement at IEEE SLSAC (2024/25)
   - Position: Financial Management Coordinator
4. SLTC IEEE Student Branch (2024/25)
   - Position: Treasure
5. SLTC IEEE WIE Subcommittee(2023/24)
   - Position: Financial Deputy Head
6. SLTC AIESEC(2023/24)
   - Position: Business Development Member

Projects:
- UNIVERSITY PROJECTS
1. Altium Workshop – Chairperson (Ongoing) IEEE WIE
2. ColourHER World – Assistant Treasure (Ongoing) IEEE WIE
3. Codemania V4.0 - Deputy Head of Programming Team IEEE CS
4. InspiHer 2.0 - Project Treasurer IEEE WIE
5. Connected - Project Treasurer IEEE WIE
6. Ideanix SLTC - Design Team IEEE CS
7. OGX'mas 2.0 - OC Member AISEC

- COLLABORATION UNIVERSITY PROJECTS
1. Devthon 1.0 - Secretary Team - SLTC & UOM
2. DevNexa'23 - Project Coordinator and Treasurer - SLTC,OUSL & UWU

- NATIONAL PROJECTS
3. TechX - IEEE CS - Financial Team Member
4. Build with AI - GDG Sri Lanka - Team Member