Ritvik Sharma

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GitHub: github.com/lordzadd

SUMMARY OF QUALIFICATIONS

- Thorough understanding of Software Engineering design principles through coursework and projects
- Strong background in full-stack development, PCB design, and web security
- Motivated learner with a desire to understand how and why things work
- Experience in managing and deploying Docker containers
- Proficient in multiple programming languages and software stacks
- Skilled in setting up self-hosted servers for various communication needs

EDUCATION

Bachelor of Science in Computer Science

Washington State University, Pullman, WA | Expected May 2025
Relevant Coursework: Object-Oriented Principles, Programming Language Design
Previous Education:
- IB Program, Anglo-Chinese School (International), Singapore
- 'O' Levels, Anglo-Chinese School (Independent), Singapore

SKILLS

- Programming Languages: C, C++, C#, Python, MIPS, R, Haskell, Java, Blazor, ASP.Net
- Software Stacks: MERN (MongoDB, Express.js, React, Node.js), PyQt, Qt Designer, Figma, Adobe XD, Docker
- PCB design and production
- Web design and production
- Docker container management and deployment
- Securing web deployments
- Full Stack development (Frontend and backend)
- Self-hosted server setup and management

PROJECTS

Home Lab and Web Server

- Ran a home lab and web server for 4 years uninterrupted, demonstrating skills in server management and maintenance

Custom PCB Development

- Developed custom PCB for lucid VR gloves, showcasing hardware design skills
- Created custom PCB for SLIME VR Tracker, further demonstrating expertise in PCB design

EXPERIENCE

Signal Operator | Singapore Armed Forces

February 2018 - February 2020
February 2018 - February 2020

- Set up and maintained multiple classified networks for voice communications, demonstrating high-level security clearance and technical expertise
- Performed complex assignments in telecommunications, including IP networks, TDM technology, fiber optics, and microwave technology
- Developed and implemented plans to improve telecommunications programs and policies
- Designed, integrated, and implemented solutions to diverse, complex problems in telecommunications
- Conducted technical and analytical work for planning, development, testing, and installation of telecommunications systems
- Managed system resources, maintained account integrity, and administered network rights and access
- Monitored systems to ensure operational status, analyzed problems, and restored services promptly
- Acted as a key technical point of contact for assigned activities, communicating with internal and external stakeholders
- Contributed to management and technical reports, supporting critical organizational objectives

CERTIFICATIONS

- National Infocom Competency Framework - 2019

REFERENCES

Provided upon request