

# VARUN SINGH

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## PROFESSIONAL SUMMARY

Motivated computer science student majoring in cyber security, with hands-on experience in web development, front-end design, network security, and software engineering. Eager to contribute to innovative projects and grow in a dynamic, team-oriented environment.

## SKILLS

- **Programming Languages:** Python, Java, C, Haskell
- **Web Development:** HTML, CSS, JavaScript, Django, Tailwind, Bootstrap, React, Streamlit
- **Software Development & Tools:** Git, Debugging, DevOps, Agile, Scrum, Jira, Trello, Microsoft Office, Slack
- **Cybersecurity & Networking:** Wireshark, Kali Linux, Networking
- **Soft Skills:** Communication, Teamwork, Leadership, Adaptability, Problem-solving, Project and team leadership

## WORK HISTORY

### URGENT CARE BRISBANE

Indooroopilly, Australia

#### Medical Receptionist (Part-Time)

08/2022 to 01/2025

- Managed multi-line phone systems and supported administrative tasks with high efficiency.
- Processed over 200 medical insurance claims weekly, ensuring compliance and accuracy.
- Demonstrated strong organizational skills, reducing patient wait times by 15% through improved scheduling.

### APP GURUS

Brisbane, Australia

#### Cyber Security Intern

11/2024 to 02/2024

- Conducted security assessments using tools like Burp Suite, Wireshark, and Kali Linux to identify vulnerabilities in applications and networks.
- Monitored and analyzed security logs using SIEM tools and Splunk to detect potential threats and suspicious activities.
- Managed security-related tasks using Jira/Trello and collaborated via Slack and Microsoft Teams.
- Deployed AWS Security Services to configure and monitor security settings, ensuring compliance with best practices.

### HYDRIZON PTY LTD

Sydney, Australia

#### Software Developer Internship

11/2023 to 02/2024

- Collaborated with senior developers to design, develop, and test software applications, leading to a 15% improvement in application performance.
- Enhanced security features of applications by implementing robust encryption and authentication protocols.
- Utilized Agile and DevOps methodologies to streamline development processes, reducing time-to-market for new features by 20%.
- Engaged in client-facing meetings to understand project requirements and deliver tailored solutions.

## EDUCATION

**Master of Information Technology**  
University of Tasmania, Hobart, TAS

07/2025-Current

**BACHELOR OF COMPUTER SCIENCE: CYBERSECURITY**  
University of Queensland, Brisbane, QLD

07/2022-06/2025

## PROJECTS

### TABLETAP - RESTAURANT ORDERING PLATFORM

Built a full-stack SaaS application for restaurants using Django, HTML, CSS, JavaScript, and SQL ORM, designed secure login, menu/category/item management, and vendor-specific dashboards with a responsive UI, implemented QR code generation for each table, linking to dynamic menu pages for guest ordering, developed CRUD interfaces for menu

items and categories with validation and user feedback messages, created and normalized relational database models to allow multiple vendors and their menu hierarchies, deployed the platform to UQCloud with functional admin and user accounts for demonstration and grading.

## **MINDMUSE - ORGANIZATIONAL RISK ANALYSIS PLATFORM**

Engineered a full-stack web application for analyzing workplace mental health and organizational risk factors using Django and PostgreSQL. Designed an intuitive and responsive frontend with HTML, CSS, Bootstrap, and JavaScript. Developed interactive dashboards to visualize employee risk metrics based on uploaded HR data. Built and secured REST APIs using Django to process data and deliver psychosocial hazard insights. Implemented session management, structured form handling, and file upload functionalities to ensure a seamless user experience.

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## **WEBSITES, PORTFOLIOS, PROFILES**

- <https://github.com/s4733163/TableTapUq>
- <https://github.com/s4733163/GitHub-Random-Repository>
- <https://github.com/XLeing727/Valostats>

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## **ACHIEVEMENTS AND QUALIFICATIONS**

Best People's Choice Award at UQCS Hackathon, 2024, Led a 6-member team to victory with Valostats, a machine learning-driven esports prediction tool.