

SUKO GURUNG

suko@pdx.edu | 971-380-7829 | Portland, OR | sukogurung.com | github/sukogurung

EDUCATION

Bachelor of Science, Computer Science

Expected June 2026

Portland State University

Portland, OR

Relevant Coursework: Object-Oriented Principles, Data Structures & Algorithms, Computer Systems, Spatial Data Science, Fundamentals of Cyber Security, Statistical Analysis, Operating System, Software Implementation

TECHNICAL SKILLS

Programming & Scripting Languages: Python, C/C++, HTML/CSS, JavaScript, SQL, Bash

Frameworks & Libraries: React.js, Tailwind CSS, Node.js, Jest, Flask, Pandas, NumPy

DevOps & Databases: Git/GitHub, AWS (EC2, S3), Docker, PostgreSQL, MongoDB

Developer Tools & Technologies: VS Code, Linux, REST API, Machine Learning(Scikit-learn)

WORK EXPERIENCE

Student IT System Engineer - Computer Action Team

September 2024 - Present

Maseh College of Engineering & Computer Science, Portland State University

Portland, OR

- Managed a distributed network of Linux and Windows systems, ensuring reliability and efficiency that reduced downtime by 13%.
- Maintained and enhanced the college's internal portal and ticketing system using HTML, CSS, and JavaScript, improving UI/UX and system functionality.
- Automated internal tools and workflows with Python and Bash scripts, reducing manual task completion time by 10%.

IT Support Technician - User Support Services

November 2022 - August 2024

Office of Information Technology, Portland State University

Portland, OR

- Diagnosed and resolved OS, network, and hardware issues for faculty and university employees, improving system efficiency and resolution time by 21%.
- Collaborated on an app to collect walk-in support data, apply ETL processes with API integration, and generate visualizations to optimize staff scheduling for the service desk.
- Configured, reimaged, and monitored 1,500+ devices, overseeing software updates and security patches.

PROJECTS

Financial Dashboard Application | *MongoDB, Express, React, Node.js, Tailwind*

- Developed a scalable dashboard application to visualize financial data and predict KPIs using linear regression, improving financial insights.

SIEM Log Analyzer | *Python, Pandas, Scikit-Learn, Regex, ELK Stack*

- Developed a Python-based SIEM log analyzer using regex, Pandas, and ML (Isolation Forest) to detect anomalies, enhance security monitoring, and improve forensic analysis.

Real-Time Chat Platform | *Node.js, WebSocket, Encryption, Authentication*

- Built a real-time chat application using WebSockets, supporting end-to-end encryption and real-time messaging.

ADDITIONAL ENGAGEMENTS

Volunteer Web Developer - EKSCA

- Maintained the website and managed content using WordPress to enhance the association's online presence.
- Provided technical guidance for the adoption of various tools and platforms.

PSU Cyber Security Club - Portland State University

- Participated in Capture The Flag challenges (CTF Competition @ UO) and hackathons (DubHacks @ UW).