Arnav Surve

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EDUCATION

California State University - Sacramento Sacramento, CA
Bachelor of Science, Computer Science *Aug. 2024 – May 2026*

Purdue University West Lafayette, IN
Bachelor of Science, Cybersecurity – Dean's List, Fall 2023 *Aug. 2022 – May 2024*

RELEVANT COURSEWORK

CNIT 27000 - Cybersecurity Fundamentals Ubuntu, Wireshark, Nmap, SQL, PHP
CNIT 25501 - Object Oriented Programming Java, JavaSwing

EXPERIENCE

Information Technology Intern June 2024 – Aug. 2024
MITER Brands – Milgard Manufacturing *Tacoma, WA*

- Performed granular analysis of server, application, and network monitoring tools
- Authored a proposal and plan of action for tuning and optimizing alerts flow **reducing notification fatigue by ~60%**
- Developed a microservice in Golang to streamline Cisco Unified Communications Manager (CUCM) user and extension provisioning
- Utilized Cisco AXL API calls to **reduce context switching for IT Tech IIIs by ~70% and improve ticket response times by ~40%**

Undergraduate Researcher May 2024 – Aug. 2024
NASA California Space Grant Consortium *Sacramento, CA*

- Developed a classification model using InfraPy and SciKit-Learn to predict seismic activity using infrasound frequencies
- Constructed an infrasound sensor array and monitor using Amphenol Board Mount Sensors and Raspberry Pi

Backend Developer Aug. 2022 – May 2023
Purdue University Office of Engagement *West Lafayette, IN*

- Developed a web application for student and faculty to apply for research grants
- Implemented REST API endpoints using ExpressJS
- Architected an ORM database to handle user data and grant applications using PostgreSQL
- Developed frontend views using React.js and TailwindCSS

IT Support Desk Intern March 2021 – Aug. 2021
California Department of Technology *Sacramento, CA*

- Imaged and deployed 60 desktop computers with Windows 10 and Office 365
- **Optimized PC cataloging and inventory management by ~30%** using Excel and Powershell
- Configured 30 cubicles with network and power connections as hotels in preparation for remote work following COVID-19

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, Golang, LaTeX, Javascript, HTML/CSS, Swift
Frameworks: Agile, PostgreSQL, MySQL, Svelte, Node.js/ExpressJS
Tools: Git, Vim, Emacs, Bash/ZSH, Docker, Jupyter Notebooks, VS Code, Intellij, XCode
Libraries: pandas, NumPy, Matplotlib