

Arnav Surve

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EDUCATION

California State University - Sacramento

Bachelor of Science, Computer Science

Sacramento, CA

Aug. 2024 – May 2026

Purdue University

Bachelor of Science, Cybersecurity – Dean's List, Fall 2023

West Lafayette, IN

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

MITER Brands – Milgard Manufacturing

June 2024 – Aug. 2024

Tacoma, WA

- Performed granular analysis of server, application, and network monitors
- 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 III members by ~ 70%**

Undergraduate Researcher

NASA California Space Grant Consortium

May 2024 – Aug. 2024

Sacramento, CA

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

Undergraduate Data Science Researcher

Purdue University Office of Engagement

Aug. 2022 – May 2023

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 in PostgreSQL
- Developed frontend views using React.js and TailwindCSS

IT Support Desk Intern

California Department of Technology

March 2021 – Aug. 2021

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, L^AT_EX, Javascript, HTML/CSS, Swift

Frameworks: Agile, PostgreSQL, MySQL, Svelte, Node.js/ExpressJS

Tools: Vim/Neovim, Emacs, Git, Bash/ZSH, Docker, Jupyter Notebooks, VS Code, IntelliJ, XCode

Libraries: pandas, NumPy, Matplotlib