

ARNI TIWARI

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EDUCATION

California Polytechnic State University, San Luis Obispo

Bachelor of Science Degree in Computer Science

June 2025

Relevant Coursework: Fundamentals of Computer Science, Data Structures, Introduction to Computer Organization, Object Oriented Programming, Statistical Methods for Engineers, and Systems Programming.

SKILLS

Programming Languages: Python, Java, C, C++, HTML, CSS, Javascript, SQL

Software Tools: Postman, Spring Boot, Microsoft Office, Vim, Github, Bitbucket, REST API, JSON

WORK EXPERIENCE

Zscaler Student Work Experience Program

Jul'23 – Aug'23

Languages and Tools Utilized: Java, Javascript, HTML, CSS, MySQL, Postman, Spring Boot, Bitbucket

- Created a comprehensive security policy management system utilizing Java within the Spring Boot framework with a team of engineers.
- Established REST API across four policy categories (firewall, data loss prevention, malware, and mobile malware) by integrating MySQL as the database and employing Postman for API endpoint testing.
- Designed an efficient landing page that provides clear visibility of the status of user policies, enhancing user experience.
- Used React.js, Node.js, and HTML/CSS for the development of the user interface.
- Obtained certification in Zscaler's "Cybersecurity Fundamentals: Associate" Exam.

SCHOOL PROJECTS

Systems Programming

Language and Tool Utilized: C, Virtual Machine

- Developed Linux utility methods like ls, grep, find, malloc etc.
- Created a program to pass randomly generated numbers using pipes to another program which performed bubble sort.

Introduction to Computer Organization

Languages and Tools Utilized: C, Assembly, RARS, Sublime Text

- Developed programs in C and translated them into RISC-V assembly.
- Created programs to sort alphabetically and numerically in both C and RISC-V assembly.

Object Oriented Programming

Language and Tool Utilized: Java, IntelliJ

- Developed programs using object-oriented concepts including: classes, objects, methods, and interfaces.
- Used object-oriented concepts and design to implement moderately sophisticated "large" programs.

Data Structures

Language and Tool Utilized: Python, Visual Studio Code

- Learned about theoretical and empirical analysis of recursive and iterative algorithms.
- Developed programs with data structures such as finding all permutations of words and Huffman Encoding.

EXTRACURRICULARS/VOLUNTEER WORK

Second Harvest

- Performed 16 hours of community service for packing food for underprivileged throughout the Bay Area.

High School Fest Organizer

- Lead and worked with a team to create a treasure hunt with clues referencing popular books.