

# Navraj Dhaliwal

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## EDUCATION

<b>California State University, Fresno</b> <i>Master of Science in Computer Science</i>	Fresno, CA August 2025 – Present
<b>California State University, Fresno</b> <i>Bachelor of Science in Computer Science; Advanced Cybersecurity Certificate</i>	Fresno, CA August 2023 – May 2025
<b>Clovis Community College</b> <i>Associate's in Computer Science</i>	Fresno, CA August 2021 – May 2023

## PROJECTS

<b>Breakout Rooms</b>   <i>JavaScript, Python, FastAPI, Socket.IO, HTML/CSS</i>	December 2024
<ul style="list-style-type: none"><li>Developed a dynamic web application enabling real-time creation and management of virtual breakout rooms.</li><li>Integrated <b>WebSocket</b> communication using <b>Socket.IO</b> to support messaging and room interactions.</li><li>Designed a <b>user-friendly interface</b> to facilitate seamless room creation, joining, and management.</li><li>Implemented secure user authentication and session management for privacy and stability.</li><li><b>Collaborated with peers</b> to enhance functionality and troubleshoot performance bottlenecks.</li></ul>	
<b>Personal Website: navrajdhaliwal.com</b>   <i>HTML, CSS, JavaScript</i>	January 2024 – Present
<ul style="list-style-type: none"><li>Created a personal portfolio website showcasing projects and skills.</li><li>Enhanced web development expertise through hands-on front-end coding.</li><li>Integrated responsive design principles for cross-device compatibility.</li><li>Established a platform to highlight professional achievements and personal projects.</li></ul>	
<b>Pathfinding Program</b>   <i>C++, React, Docker</i>	March 2024
<ul style="list-style-type: none"><li>Developed an interactive pathfinding visualizer using <b>C++</b>.</li><li>Implemented core pathfinding algorithms like <b>Dijkstra's</b> for dynamic visual displays.</li><li>Designed an <b>intuitive UI/UX</b> for better understanding of algorithm behavior.</li><li><b>Utilized GitHub</b> for version control and project collaboration.</li></ul>	

## COURSEWORK

**Relevant Courses:** Computer Security, System and Cloud Security, Computer Networking, Programming and Problem Solving, Data Structures, Computational Science, Foundations of Computer Science, Introduction to Computer Science, Computer Organization, Operating Systems, Algorithms and Data Structures, Formal Languages and Automata, , Game Development, Biometric Security, Database Systems,

## EXPERIENCE

<b>Public Safety Assistant</b> <i>Fresno State Library</i>	January 2024 – Present Fresno, CA
<ul style="list-style-type: none"><li>Conducted regular patrols and monitored security footage to maintain a safe and secure library environment.</li><li>Acted as the primary responder for emergency situations, coordinating with campus police and first responders to ensure swift action.</li><li>Provided assistance and support to patrons with safety inquiries, fostering a welcoming and secure atmosphere.</li></ul>	
<b>Community Technology Liaison</b> <i>Fresno, CA</i>	August 2023 – May 2024 Fresno, CA
<ul style="list-style-type: none"><li>Facilitated workshops and events to bridge technology access gaps in underrepresented communities.</li><li>Provided hands-on training and support for basic cybersecurity practices and digital literacy.</li><li>Collaborated with local organizations to assess technology needs and deliver tailored tech solutions.</li></ul>	

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS  
**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI  
**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm  
**Libraries:** pandas, NumPy, Matplotlib  
**Spoken Languages:** Punjabi, Hindi