

# Raja Hassan Zafar

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## **Software Engineer**

Software Engineer with a strong foundation in full-stack development, computer vision, and AI-powered applications. Proven experience building production-ready systems using JavaScript and Python, integrating machine learning models, and delivering user-focused solutions under real-world constraints. Hackathon-winning developer with teaching experience and a practical, results-driven mindset.

## **Technical Skills**

- **Programming Languages:** Java, Python, C, JavaScript, HTML, CSS, PostgreSQL
- **Frameworks & Libraries:** React, FastAPI, Flask, Node.js, Express

## **Education**

- **B.S. Computer Science** – Oregon State University
- **B.S. Business Management** – Stony Brook University
- **Full-Stack Coding Bootcamp Certificate** – University of California, Irvine

## **Work Experience**

<b>Retail Associate: Target</b>	Oct 2019 – Present
<ul style="list-style-type: none"><li>• Delivered high-quality customer service to 300+ customers per shift in a fast-paced environment.</li><li>• Collaborated with cross-functional teams to meet operational and performance targets.</li></ul>	
<b>Freelance Web Developer: A&amp;R Hardware Store</b>	Mar 2025 – May 2025
<ul style="list-style-type: none"><li>• Designed and deployed a responsive e-commerce website using HTML, CSS, and JavaScript.</li><li>• Improved online user engagement by 100% and expanded the client's digital footprint.</li></ul>	

<b>Coding Instructor: Coding Minds Academy</b>	Apr 2022 – Jul 2024
<ul style="list-style-type: none"><li>• Taught Java, Python, Unity, and Roblox development to 30+ students across multiple cohorts.</li><li>• Authored 50+ custom lesson plans, raising student CS proficiency by ~75%.</li></ul>	

## **Technical Projects**

<b>Mira   Repo</b>	Nov 2025 – Nov 2025
<ul style="list-style-type: none"><li>• Built a real-time computer vision application to assist blind and visually impaired users with object and threat detection.</li><li>• <b>Role:</b> Frontend Developer</li><li>• <b>Stack:</b> React.JS, Python, Machine Learning, FastAPI, Computer Vision, Gemini API</li></ul>	
<b>AutoTrust   Repo</b>	Feb 2025 – Feb 2025
<ul style="list-style-type: none"><li>• Engineered an NFT-based vehicle ownership platform, enabling 100+ blockchain transactions.</li><li>• <b>Role:</b> Full-Stack Developer</li><li>• <b>Stack:</b> React, Solana, Rust, TypeScript, FastAPI, MongoDB, Anchor, IPFS</li></ul>	

<b>AI Web Extension   Repo</b>	Feb 2024 – May 2024
<ul style="list-style-type: none"><li>• Developed a real-time text extraction &amp; AI response tool that increased user engagement by 30%.</li><li>• <b>Role:</b> JavaScript Developer</li><li>• <b>Stack:</b> JavaScript, OpenAI API, Chrome Extensions, HTML, CSS</li></ul>	

## **Awards & Honors**

- **Hackathon 1st Place**, Google Notebook LM Track – “Vocal Vision” (Text-to-Video AI, Oct 2024)
- **Hackathon 1st Place**, Solana Blockchain Track – “AutoTrust” (Feb 2025)
- **Hackathon 2<sup>nd</sup> Place**, Education Track – “SATistics” (Nov 2025)
- **Best Hackathon Domain Name/Branding Award** (Oct 2024)