

SOHAM KAMAT

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EDUCATION

The University of Washington , Seattle, WA <i>Mechanical Engineering, Dean's List</i>	2025 - 2028 (Expected)
Del Norte High School , San Diego, CA	2021 - 2025

Skills:

Design: Autodesk Inventor, Solidworks, Blender, OnShape, Fusion360

Fabrication: 3D Printing, Welding, Milling

Technical: C, C++, Git, Python, HTML, CSS, JavaScript, Java, Bash, Powershell

EXPERIENCE

UW Steel Bridge Team , Seattle, WA	Oct 2025 - Present
- Build a competitive steel bridge optimized for efficiency and performance in intercollegiate competition. - Work on a small construction subteam to design & fabricate components for testing and competition.	
UW Society for Advanced Rocket Propulsion (SARP) Team , Seattle, WA	Oct 2025 - Present
- Design propulsion and structural components using precision machining and manufacturing techniques. - Trained in machining and fabrication while supporting drawing reviews, material prep, and hardware production.	
CyberPatriot (Cybersecurity Competition) , San Diego, CA	Jul 2021 - Feb 2025
- Hands-on programming experience while securing windows and Linux systems. Competed in national cybersecurity competitions, securing network systems under time constraints. - Developed problem-solving and teamwork skills while implementing practical cybersecurity solutions.	
San Diego Supercomputer Center Internship , San Diego, CA	Jun - Aug 2024
- Built cyberinfrastructure expanding access to AI tools through Jupyter notebooks and a maintained web catalog. - Executed notebook deployment and metadata-driven site updates using YAML, Python, HTML, JavaScript, Jekyll.	
Nighthawk Coders Internship , San Diego, CA	Jun - Aug 2024
- Designed and delivered Java OOP lessons with exercises on objects and classes. - Supported AP Computer Science A students with project-based learning resources.	
Cal Poly EPIC Engineering Camp , San Luis Obispo, CA	Jul 2024
- Completed hands-on projects in Mechanical, Aerospace, Bioengineering, and Manufacturing disciplines. - Strengthened teamwork and problem-solving skills through engineering design challenges.	

PROJECTS

Jobify - An online Learning Management System (LMS)	Mar 2024 - Jun 2024
- A platform that integrates grading tools, assignment submissions, a chat system, and a job/internship finder. - Expanded Applied full-stack development skills (HTML, JavaScript, Java) to design and test multi-feature systems, strengthening problem-solving and collaborative design.	
Pluto - A comprehensive website for students	Nov 2023 - Mar 2024
- Features a schedule tracker, events calendar, weather integration, and announcements. - Gained experience in system integration & iteration, skills to manage complex engineering projects.	

LEADERSHIP & COMMUNITY INVOLVEMENT

Rural Education Advancement Trust (REAT) , Remote	2022 - 2025
Created STEM videos in Marathi, reaching 4,000+ rural students, and organized student competitions.	
Akshaya Patra Foundation San Diego Chapter , San Diego, CA	2021 - 2025
As Co-Leader, I led 70 volunteers, coordinated major fundraising events, and raised over \$120,000 to fund meals for underprivileged children in India.	

HONORS AND AWARDS

- The President's Volunteer Service Award - National Level (2024)
- National Merit Commended Student (2023)