

Mantej Lamba

mlamba@usc.edu | [linkedin.com/in/mantejlamba](https://www.linkedin.com/in/mantejlamba) | github.com/mantejl

EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

Los Angeles, CA

Bachelor of Science in Computer Science

Aug 2021 – May 2025

Master of Science in Computer Science

Jan 2024 – May 2025

Relevant Coursework: Algorithms, Data Structures, Operating Systems, Discrete Methods, Software Engineering, Applied Python, Ethical Hacking, Network Security

Campus Involvements: Research Assistant, LavaLab, ShiftSC, Resident Assistant (RA), Sikh Student Association, CyBorg (Cybersecurity Club), Chess Club

EXPERIENCE

SOFTWARE ENGINEER INTERN

Pleasanton, CA

Blackhawk Network

May 2023 – Aug 2023

- Worked to develop core features for a newly built platform that conducts risk analysis for 4,000+ e-commerce transactions daily
- Took over and seamlessly completed **integration of a 3rd party system** into our fundamental risk decision making software
- Built multiple tools with Java and Maven for internal teams to leverage our risk decision processing, deployed via Jenkins
- Created and presented a successful **software design** solution using Lucidchart to entire P&T team

SOFTWARE ENGINEER INTERN

Pleasanton, CA

Blackhawk Network

May 2022 – Aug 2022

- Enhanced backend APIs as part of the Risk team using Java/Spring to support a portal that defines risk rules and operations
- Created Swagger documentation for over **30 Risk Service APIs** using Stoplight

UNIVERSITY INVOLVEMENTS

STUDENT RESEARCHER

USC STEEL (Security Research Lab)

September 2023 - Present

- Currently researching and evaluating C source code data flow analysis tools to assess their detection, reliability, and effectiveness capabilities

AI ETHICS CO-LEAD

ShiftSC

September 2023 - Present

- Studying and raising awareness of the ethical implications of AI by presenting educational modules to the USC student population

SOFTWARE DEVELOPER

Cathartic Health

Feb 2023 – Present

- Actively participating in the development of a user-friendly dashboard for a Los Angeles based non-profit using React, Express.js, and DynamoDB to connect over **40 clients and suppliers**

DEVELOPER

LavaLab

September 2023 - Dec 2023

- Developed an efficient freelancer-client communication and project management platform using React, Next.js and Tailwind CSS within a 4 person team at LavaLab, USC's premier student-run product incubator

PROJECTS

CYBERSECURITY IN THE MODERN WORLD

anchor.fm/mantej-lamba

- Created a podcast that explored the intersection of cybersecurity with various fields by interviewing esteemed professionals

CARDS 4 COVID HEROES

cards4covidheroes.com

- Collected and distributed over 2200 thank you cards during the pandemic to show appreciation to healthcare workers

SKILLS

Programming Languages/Technologies: C++, Java, Python, HTML, CSS, JavaScript, C, Git, Swagger, SQL, MongoDB, Android

Web Development and Frameworks: React, Express.js, Next.js, Spring, Maven, JUnit, Postman, GraphQL, JDBC, AJAX, Flask

Miscellaneous: Machine Learning, Data Structures, Algorithms, Linux, Networking, Agile, Technical Documentation, Punjabi