

Key skills

- Frontend Development: React JS, JavaScript, HTML, CSS, Bootstrap
- Backend Development: Node.js, Python/Django, Java (OOP)
- Database Management: MySQL
- UI/UX Design: Figma
- Stakeholder Management

FDM Skills Lab

Software Engineering

FDM Skills Lab, Australia

Nov 2024 – Jan 2025

Core Subjects

- Agile Methodologies
- Efficiently Prompting AI
- Java Syntax & Semantics
- OOP
- Version Control using GitLab
- SOLID Principles & Design Patterns
- Unit Testing & TDD
- Multithreaded Programming
- Java 8 Features
- Code Quality & SonarLint
- SQL

Specialisation

- Restful API's using Spring Boot
- HTML, CSS, React

Education

BEng Hons in Software Engineering & Commerce (Finance)

The University of Sydney

Feb 2019 – May 2024

Courses: AGILE development, Object-Oriented Design & Frameworks, Computer and Network Security

Thesis: Blockchain-Powered Identity Management Application; React.js, Node.js, Hyperledger Indy Framework

Languages

English, Hindi

Interests and activities

- Volunteering – Ekansh Indian Cultural Society; President
- Team Sports – Cricket
- Music Instruments – Piano, Drums, Guitar

Saksham Lama

Skills Lab Consultant | Software Engineering

Dual-degree in Software Engineering and Commerce with experience in full-stack engineering using React.js and Python/Django, and stakeholder management.

Experience

Project Officer

The University of Sydney

Feb 2023 – Present

Awarded a direct contract by the Engineering Administration department to build on work from the University's work-study program.

- Refined and developed new features for the Curriculum Mapping Tool, integrating feedback from the administration team, boosting user engagement by 25% and reducing page load time by 15%.
- Migrated the Curriculum Mapping Tool to AWS using Docker and Docker Hub, reducing server costs by 20% and enabling the administration team to audit engineering courses for accreditation.
- Collaborated closely with key stakeholders to refine feature specifications and deliver a tailored technical solution, addressing their needs and ensuring successful project outcomes.

Quality Assurance Engineering Intern

DigiGround

Jun 2023 – Aug 2023

Contributed to a leading web development company's software testing for high-end products, ensuring quality and reliability.

- Conducted Regression and UAT testing to ensure new features met user expectations, achieving a defect detection rate of up to 100%.
- Collaborated with cross-functional teams to resolve critical bugs, ensuring timely bug resolution with a 100% on-time rate.

Technology Consulting Intern

The University of Sydney

Dec 2022 – Feb 2023

Delivered a practical software solution as part of the University's work-study program for a real engineering challenge.

- Engineered a Curriculum Mapping Tool with React.js (front-end) and Python/Django (back-end), automating processes and enhancing visualisation, improving curriculum mapping efficiency and accuracy.
- Led project planning and timely delivery, coordinating teams and resources, increasing stakeholder engagement by 30%.

Object Oriented Application Framework Project

The University of Sydney

Aug 2023 – Nov 2023

Developed a full-stack website Mature Missions.

- Integrated front-end components with React.js and Bootstrap, back-end components with Java, Spring Boot, Hibernate, and MySQL, optimising performance and reducing load times.
- Designed a user-friendly interface with Figma, enhancing functionality and aesthetics, which improved user engagement and satisfaction.