

Isha Sasturkar

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EDUCATION

Masters in Computer Science
Indiana University, Bloomington

Aug 2023 - May 2025
GPA: 3.77/4.00

Bachelor of Technology in Computer Engineering
VIIT, Pune University

Aug 2019 - May 2023
GPA: 9.54/10.00

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, C, C++

Web Development: React, Django, Node.js, Express.js, Spring, Spring Boot, MERN Stack, Redux, REST API, MVC Architecture, Agile Methodologies, HTML, CSS, Bootstrap, Material UI

Databases and Tools: SQL(MYSQL, Postgres), NoSQL(MongoDB), Docker, Git, Postman, JIRA, VS Code, Confluence

Concepts: Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Cloud Computing, Microservices

Operating Systems: UNIX/Linux, MacOS, Windows

Relevant Coursework: Advanced Database Concepts, Software Engineering, Security for Networked Systems, Applied Algorithms

EXPERIENCE

Teaching Assistant

Indiana University, Bloomington

Aug 2024 - Present
Bloomington, IN, USA

- Facilitated a **core Python** programming course for **500+** first-year CS and DS students across fall and spring semesters, to develop problem-solving and algorithmic thinking skills.
- Led hands-on **Python lab** sessions for **75+** students, focusing on **best coding practices**, achieving a **100%** lab completion rate.
- Served as **Scrum Master** for **3** teams, leading weekly **stand-ups** to track progress, resolve blockers, and ensure timely completion of **8 milestones**, in full stack projects utilizing **MERN stack, Spring Boot, Django, Docker, and cloud platforms**.

Software Development Intern

Lodgistics Software India LLP

Mar 2023 - Jun 2023
Pune, MH, India

- Contributed to a **major application transformation**, leading the development to unify three core features into a single interface using JavaScript, ReactJS, and Material UI, enhancing **accessibility** and **simplifying user interactions**.
- Conducted end-to-end testing for **3+** releases on the **cloud-based** hotel operations platform, ensuring smooth deployments and earning recognition for **maintaining exceptional quality**.
- Collaborated with **global cross-functional** teams in an **Agile** environment, achieving a **95%** sprint task completion rate through effective sprint planning, reviews and prompt resolution of **live issues and regressions**.
- Awarded **Best Intern of the Year** for consistently exceeding expectations and delivering impactful **contributions**, culminating in a successful presentation to the stakeholders.

Software Development Intern

Lodgistics Software India LLP

Aug 2022 - Nov 2022
Pune, MH, India

- Designed and implemented **end-to-end CRUD operations** to customize templates for automated birthday and work anniversary posts, streamlining the life-cycle from planning to debugging and enhancing **engagement** for **U.S. client hospitality** professionals through personalization.
- Partnered in **pair programming** with a mentor to strengthen teamwork and adopt **best coding practices**, successfully delivering **3+ scalable, maintainable, and future-proof** solutions.
- Recognized for **exceptional attention to detail** and **over 10** contributions, providing critical support to the QA team during a major feature release by conducting unit, integration, and end-to-end testing.

PROJECTS

Book Rental Platform (*MongoDB, Express.js, React.js, Node.js, JavaScript, Material UI*)

- Developed and deployed a **scalable book rental** platform with **role-based access** for Admins, Lenders, and Renters with a team.
- Implemented core platform features, including secure authentication (**JWT, OAuth, 2FA**), geolocation-based book availability (**Google Maps API**), **secure payments**, and real-time chat (**Socket.io**) to enhance security, accessibility, and user engagement.
- Led and mentored a team of first-time developers in an **Agile** setting, conducting **code reviews**, knowledge sharing, and **sprint-based** development for timely deployment.

Finance Management (*MongoDB, Express.js, React.js, Node.js, JavaScript, Material UI, Chart.js*)

- Developed a **dynamic** budgeting system that enables users to set and customize expense categories for **real-time tracking** of spending habits.
- Implemented **secure authentication** and **session management** using **JWT** and **bcrypt**, integrated **CRUD** operations for expense tracking, and designed an optimized **NoSQL** database schema in MongoDB for efficient data handling.
- Enhanced financial awareness and discipline by implementing **automated alerts** and interactive **dashboards** with **Material UI** and **Chart.js**, providing users with **visual** insights into spending patterns and savings goals.