

# PRASANNA LIMAYE

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## EDUCATION

### Stevens Institute of Technology

Master of Science in Computer Science, GPA: 4/4

Relevant Coursework: Web Programming, Fundamentals of Computing, DBMS, Agile methodologies

New Jersey, USA

Expected May 2025

### The University of Mumbai, Maharashtra

Bachelor of Engineering in Computer Engineering,

India

Jul 2021

## SKILLS

**Languages:** Python, Java, SQL, C++, Javascript, Typescript,

**Technologies:** Git, SQL & NoSQL, AWS Cloud Platform, JIRA

**Development:** MongoDB, Express, React, Angular, Node.js (Full stack), Django, Spring Boot, Flask, Android Development, Flutter

**Data/AI:** Regression Modeling, Reinforcement Learning, Data Visualization, Data Analytics, Pytorch

## WORK EXPERIENCE

### Software Engineer, Tata Consultancy Services: Pune, India

June 2021 – Jun 2023

- Led a team of five in designing and implementing **responsive web interfaces in ReactJS**.
- Developed a **REST API** with a **NodeJS** server to enhance system performance and managed **SQL and NoSQL** databases.
- Enhanced legacy function logic by utilizing appropriate data structures, resulting in a 30% faster response time.
- Automatized manual processes with **Python scripts**, reducing product delivery time by 60%
- Established a comprehensive CSS repository to streamline the transition from Bootstrap3 to Bootstrap4, reducing development time by 25% and minimizing code conflicts.

### Software Developer Intern, Blue Eye Soft Corp, USA

Jun 2020 – Jun 2021

- Developed 'CovidProtect', back to school app offering real-time Covid-19 updates, leading to 10,000 initial-month downloads.
- Analyzed user requirements, reducing revisions and delays by 30%, boosting project efficiency and productivity significantly.
- Implemented a **cross-platform app** in **Flutter**, with intuitive UI and successfully deployed contact tracing module.

### Founder & Lead Developer, PaperSqueeze, India

Jun 2019 – Jun 2020

- Founded a digital startup focused on enhancing e-form through AI insights, which are showcased on official [website](#).
- Utilized the **MERN stack** to provide a complete e-form solution featuring an **innovative chat-based user interface**.
- Leveraged **data analysis**, realizing a **50% growth** in form completions, optimizing user experience.
- Steered startup challenges, achieving 1000 daily form creations, and fostering partnerships in the digital space.

## PROJECTS

### University Management System (MongoDB, ExpressJS, ReactJS, NodeJS)

Dec 2023

- Designed and deployed robust Full Stack application using Node.js, Express, and MongoDB for seamless academic operations.
- Implemented role-based access control for Admins, Professors, and Students, ensuring tailored user interactions.
- Integrated PDF viewer, email notifications, and secure user authentication for enhanced functionality.
- Created dynamic course management, assignment grading, and efficient location-based attendance tracking functionalities.
- Enhanced security through .env file configurations, CSRF protection and robust error handling mechanisms.

### ClimateGuard – Climate Change Impact Assessment (Java, Spring Boot, Angular)

June 2022

- Developed a Java-based application using Spring Boot, conducting comprehensive climate change impact assessments.
- Implemented RESTful APIs to gather and process environmental data, resulting in a 25% improvement in data accuracy.
- Designed an Angular app with interactive visualizations, leading to a 15% increase in user understanding of climate trends.
- Leveraged statistical analysis and machine learning algorithms, such as random forests and k-means clustering, achieving an 85% accuracy in predicting climate change impacts, aiding policymakers in making informed decisions.

## ACHIEVEMENTS AND AWARDS:

**Accomplished top ranks** at the University of Mumbai: Gold Medalist (1<sup>st</sup> year) and Silver Medalist (2<sup>nd</sup> year) during 2018-2019.

**Distinguished participation in hackathons:** Runner Up in the Smart Mobility Hackathon by HERE Technologies and Finalist in the INDIA-EU ICT International Hackathon.