# Keyur Madane

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## SUMMARY

Software Engineering graduate student with three years of professional experience in designing, developing, and deploying software solutions. Proficient in object-oriented programming, backend development, and collaborating on full-stack projects. Skilled in delivering high-quality, scalable applications and eager to contribute to innovative solutions.

## EDUCATION

**M.S. Software Engineering**                                                          **Expected May 2026**
Arizona State University, Tempe, AZ
**B.E. Computer Science**                                                                       **June 2021**
Dr. D. Y. Patil Institute of Technology, Pimpri, Pune, India                     9.07 GPA (out of 10)

## SKILLS

**Programming Languages:** Java, Python, C/C++, JavaScript.
**Front-End:** HTML, CSS, Bootstrap.
**Frameworks, Tools, Databases, and OS:** Django, Spring Boot, Rest API, MySQL, PostgreSQL, Salesforce, Heroku, Git Visual Studio Code, Eclipse, Postman.
**Systems & Concepts**: Software Troubleshooting, Software Security, Multithreading, Servlets, Data Structures, Debugging.
**Soft Skills:** Effective Communication, Team Collaboration, Problem-Solving, Adaptability, Time Management, Leadership.

## PROFESSIONAL EXPERIENCE

**Senior Systems Engineer | Infosys | Pune, India**                          **August 2021 – July 2024**
Delivered five high-quality software solutions for Mercedes-Benz, boosting system reliability by 30% and scalability through efficient coding and thorough testing.

- Integrated Performance of existing CRM Model by utilizing the Heroku as middleware, reduced response time from 7 sec to 1 sec.
- Formulated a Salesforce data cleanup mechanism, boosted business efficiency by 5% through automatic deletion of unused customer data.
- Designed an API in Salesforce to handle 10 different scenarios, improving data processing efficiency by 25%.
- Upgraded existing custom Ant used for Salesforce deployment from version 50 to version 57.
- Improved deployment efficiency and accuracy by upgrading Java-based tools, resulting in a 30% reduction in deployment time and ensuring smooth Salesforce operations across teams.
- Optimized CRM systems to enhance user experience and responsiveness, leading to a 15% reduction in support tickets.
- Ideated and accomplished product from scratch and helped scale business to more than 10 million users.
- Promoted within 6 months due to strong performance and organizational impacts.

## PROJECTS

**Video Anomaly Detection System,** *Personal Project*                                **June 2021**
- Designed a video anomaly detection system using machine learning, accomplishing 90% accuracy in high-traffic areas.
- Implemented surveillance techniques, achieving a 30% reduction in security incidents across a 100,000 sq ft area.

**Scheme Management Portal for State Government,** *Hackathon Project*                **February 2021**
- Developed a Django web app during a hackathon for managing government schemes, benefiting over 1,000+ personnel.
- Created fund management features that aim to reduce corruption risks by up to 40%.

**Chat Application with Multithreading and Sockets,** *Personal Project*               **June 2022**
- Engineered a real-time chat application applying Java's multithreading capabilities to support 50+ concurrent client connections, ensuring efficient message exchange and responsiveness in high-demand environments without lag.
- Implemented socket programming to facilitate communication between clients and server, achieving a message delivery success rate of over 95% in a distributed environment.

## EXTRACURRICULAR EXPERIENCE

**Software Developers Association, Tempe, AZ**                               **August 2024 - present**
- Engaged in 10+ workshops with industry professionals, enhancing insights into industry trends.

**Hackathon**                                                                            **February 2021**
- Finalist in Smart India Hackathon and IBM Hackathon, having competed among over 1,000 teams.

**Acunetix Event Head, Pune, India**                                                       **March 2020**
- Led the 'Acunetix' event at DYPIT's Department of Computer Engineering, overseeing 350 participants.