Keyur Madane

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SUMMARY

M.S. Software Engineering student at Arizona State University with a solid foundation in software development and a passion for enhancing digital learning experiences. Experienced in full-stack development and object-oriented programming, with a proven ability to improve system reliability and user experience.

EDUCATION

M.S. Software Engineering **Expected 05/2026**
Arizona State University, Tempe, AZ
B.E. Computer Science **06/2021**
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 **08/2021 – 07/2024**
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.
- Designed ETL processes to streamline data ingestion from various sources, reducing data processing time by 40%.
- 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.
- Developed and optimized MySQL databases for Mercedes-Benz, improving system efficiency by 30%.
- Ideated and accomplished product from scratch and helped scale business to more than 10 million users.
- Implemented CRUD operations using front-end frameworks, enhancing user interface and data accessibility.

PROJECTS

Video Anomaly Detection System, *Personal Project* **06/2021**
- 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* **02/2021**
- 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* **06/2022**
- 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 **08/2024**
- Engaged in 10+ workshops with industry professionals, enhancing insights into industry trends.

Hackathon **02/2021**
- Finalist in Smart India Hackathon and IBM Hackathon, having competed among over 1,000 teams.

Acunetix Event Head, Pune, India **03/2020**
- Led the 'Acunetix' event at DYPIT's Department of Computer Engineering, overseeing 350 participants.