

TANMAY SHELAR

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Education

Arizona State University

Master of Science in Computer Software Engineering

August 2024 – Expected May 2026

Tempe, Arizona

Pune University

Bachelor of Engineering in Electronics and Telecommunications - 3.01/4.0

August 2017 – May 2021

Pune, Maharashtra

Technical Skills

- **Languages:** Java, Python, C#, JavaScript, C, HTML, CSS, SQL, C++, XML, SparQL, Clojure, Scala, Swift
- **Developer Tools:** VS Code, Eclipse, Postman, Jira, Github, Taiga, Xcode
- **Technologies/Frameworks:** Git, Amazon Web Services, Snowflake, Agile Methodologies, Django, ReactJS, ExpressJS, AngularJS

Work Experience

Zocdoc

Senior Integration Support Specialist (Team Lead)

August 2021 – July 2024

Pune, Maharashtra

- Architected a scalable Client-API audit application to assess data received through **50+ client APIs** into Zocdoc synchronizers, integrating multiple layers from data flow to API calls. Programmed **Javascript** queries to manage logic across different components.
- Led and automated the "Unbookables" project, creating a bulk reach-out tool using **Vanilla JavaScript** for the back-end and HTML/CSS for front-end email templates. This initiative enabled previously unbookable doctors on the Zocdoc marketplace to become bookable, resulting in over 2,000 appointments and generating **\$100,000+** in revenue.
- Maintained and troubleshooted Zocdoc synchronizers (integrations) with Practice Management systems and assisted in robust data quality checks, ensuring reliable data being captured by Zocdoc synchronizers.
- Designed, optimized and documented 15+ complex **SQL queries** for the Product team and the integration support team, serving as a primary point of contact for detailed database extraction from the Zocdoc databases.
- Collaborated with the Business development team to capture requirements, provide scalable data solutions, and perform in-depth data analysis, contributing to a faster data-driven decision-making speed and accuracy.

Escafate

Web Developer Intern

March 2021 – May 2021

Remote

- Implemented and deployed a full-stack web application using **HTML, CSS, JavaScript, .NET Framework**, and **SQL Server** with Entity Framework Core, boosting site traffic by 50%. Deployed on **Heroku**.
- Authored detailed technical documentation, reducing onboarding time for new developers by 10 business days. Also conducted rigorous testing and debugging, cutting post-launch issues by **85%**.

Projects

ScrumPlay scrum simulator | Java Swing, Spring MVC

October 2024

- Conceptualized and designed ScrumPlay, a collaborative project management tool capable of storing **100+ user stories** at a time using **Spring MVC** and **Java Swing**.
- Simulated team-based Scrum (**Agile**) processes, including sprints, scrums, sprint planning meetings and generation of burndown charts.
- Enabled live modifications to user stories, fostering interactive engagement and collaborative project management.

Smart Career Guidance Test | Python, MySQL, AWS

March 2021

- Constructed a comprehensive career guidance tool with a **Python backend** for data processing, generating over 30 personalized career recommendations. Crafted the server-side logic using **Node.js** and **Express.js** to handle API requests, manage user sessions, and facilitate communication between the frontend and the **MySQL database**. The front-end was developed using **HTML, CSS**, and **JavaScript** for a seamless user interface.
- Implemented the tool on **AWS**, utilizing **EC2 for scalability** and **S3 for storage**. Tested with a user base of 50+, iterating based on feedback to enhance functionality and user experience.

Smart Tourism Application | Python, Django, TensorFlow

February 2020

- Formulated a travel planning application using **Python, Django, OpenCV**, and **TensorFlow**, optimizing routes for 50+ locations and recommending nearby hotels, cafes, and restaurants based on user preferences.
- Built an image recognition feature allowing users to scan idols/paintings for details, trained on a dataset of 1,000+ images with **90% accuracy**. Launched the application on **AWS**, enhancing both user experience and scalability.