Sahil Yogesh Hadke

Tempe, AZ | +1-6026936593 | shadke1@asu.edu | https://sahil.hadke.in/

EDUCATION

Arizona State University, USA — December 2025
Masters of Science - Computer Science — *GPA: 4.0/4*
Coursework: Data Visualisation, Cloud Computing, Frontier Topics in GenAI, Blockchain Applications

Savitribai Phule Pune Univeristy, Pune, India — May 2022
Bachelor of Engineering in Computer Engineering — *GPA: 9.7/10*
Coursework: Database Management, Artificial Intelligence, Data Structures & Algorithms

SKILLS

Languages: Python, Java, JavaScript, C, C++, PHP, HTML, CSS, JSON, XML, Shell Scripting
Technologies and Frameworks: Flask, Node.js, Express.js, React.js, Redux Toolkit, Restful APIs, Selenium, JSON, JWT, Langchain
Tools: Postman, Jira, AWS, Unity 3D, Github, TortoiseSVN, Visual Studio Code, Eclipse, Slack, WordPress
Database: MySQL, PostgreSQL, MongoDB
Proficiencies: RPA, SDLC, STLC, SCRUM, Agile, Backend, Frontend, Game Development, Testing
Certifications: Amazon AWS Cloud Foundations, cPanel Professional Certificate

EXPERIENCE

Office Assistant — 03/24 to Present
FSE, ASU — *Tempe, USA*

- Managing a high volume of student interactions average of **25 phone calls daily**, greeting students, and addressing their concerns, contributing to a positive and welcoming atmosphere.
- Demonstrated strong interpersonal and communication skills while assisting students with information, resolving issues, and ensuring a positive shopping experience.

Software Engineer — 05/22 to 12/23
FIS — *Pune, India*

- Engineered and deployed an RPA bot using Selenium and Java to automate an end-to-end data pipeline, automating data retrieval from remote servers, performing complex operations, and delivering the desired output to clients. This automation resulted in annual savings equivalent to 2100 hours, effectively saving the company the cost of one full-time employee.
- Enhanced the performance of two existing RPA bots, improving their efficiency and reducing runtime by an average of 20%. Worked in an Agile, Scrum environment, contributing to sprint planning, daily stand-ups, and iterative development cycles to ensure continuous improvement and timely delivery of automation solutions.

Web Technology Associate — 12/20 to 06/22
OG Advertising Private Limited — *Pune, India*

- Developed and deployed websites for educational institutes, major realtors, and e-commerce businesses, leveraging AWS servers, WHM, and cPanel for robust hosting solutions. Collaborated closely with social media marketing experts to enhance user engagement and lead generation, significantly improving website performance and user interaction.
- Designed and implemented a custom Customer Relationship Management (CRM) system used by seven educational institutes in India to streamline admission campaigns, lead generation, and user management processes. This CRM system facilitated more efficient handling of admissions and improved overall campaign effectiveness.

Studio Associate — 01/24 to present
Video Game Development Club — *ASU, Tempe*

- Developed and implemented interactive VR experiences for the FutureScape project, enabling high school students to explore various career fields by stepping into the roles of different professionals. Utilized Unity3D for development, C# for scripting, and integrated advanced particle systems to enhance the realism and immersion of the virtual environments
- Collaborated effectively using GitHub for version control and team coordination, contributing to the integration of tutorial UIs and desktop functionalities. This improved the user onboarding process and overall engagement within the FutureScape VR application, making it easier for students to navigate and interact with the platform.

Projects

JobTailor - Personalized Resume and Cover Letter Solution

LLM, Python

- Designed and implemented an innovative pipeline for JobTailor, leveraging advanced capabilities of LLMs for sophisticated information extraction and language understanding. Utilized prompt engineering and web scraping techniques to extract detailed job and resume information, enabling the generation of highly personalized and optimized resumes for users.
- Developed a comprehensive Python library for JobTailor, facilitating seamless integration with any job application workflow and system. This library ensures efficient optimization and customization of resume generation processes, enhancing the overall user experience and increasing application success rates.

Password Manager - Secure MERN Password Management Solution

React, MongoDB, Express, Node

- Engineered a comprehensive and user-friendly password manager application using the MERN stack (MongoDB, Express.js, React, Node.js), enabling secure storage and management of user passwords. The system features a highly intuitive interface, ensuring seamless user interaction and efficient password handling.
- Implemented robust encryption protocols with bcrypt to fortify password security, guaranteeing that stored user passwords are protected against unauthorized access and potential cyber threats. This approach ensures maximum data integrity and user privacy within the application.

Dijkstra's Algorithm Visualisation

Unity 3D, C#, Algorithms

- Implemented Dijkstra's pathfinding algorithm in Unity3D using C#, enabling users to interactively select start and end points and obstacles, visualizing the algorithm's process.
- Designed an intuitive user interface that allows players to dynamically set up the environment and observe the algorithm's pathfinding in action.
- Enhanced user experience by providing real-time feedback on the shortest path found, showcasing the algorithm's efficiency and effectiveness.

Customer Relationship Management Tool

PHP, CodeIgniter, MySQL, Bootstrap

- Developed a custom CRM tool using CodeIgniter, PHP, MySQL, and Bootstrap, utilized by multiple educational institutes in Pune to manage leads during admission campaigns, resulting in a 70% reduction in manual efforts.
- Implemented lead aggregation from various sources, including websites, Facebook, and Google, into a centralized dashboard accessible to faculty members for efficient lead management.
- Enhanced administrative oversight by providing insights into lead closure rates per faculty, improving strategic decision-making and campaign effectiveness.