Sumedh Gajbhiye

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EDUCATION

- **Arizona State University, Tempe**
  MS Software Engineering   Aug 2024 - May 2026
  CGPA: 4
- **Lakshmi Narain College of Technology, Bhopal**
  BTech Computer Science Engineering   Aug 2017 - Aug 2021
  CGPA: 7.66

WORK EXPERIENCE

Cognizant
Software Developer and Associate   March 2021 - July 2024

- Developed and configured a virtual chatbot using the Dialogflow engine, resulting in a 40% increase in chat interactions and a 20% decrease in logged incidents.
- Customized 5+ core IT Service Management modules (Incident, Problem, Change, Service Request) for a user base of over 10,000 employees, improving workflow efficiency.
- Designed and developed a custom Service Portal using AngularJS, HTML, and CSS, enhancing the user experience for 10,000+ users and increasing self-service adoption by 30%.
- Integrated ServiceNow with third-party applications (MS Teams, Azure DevOps, Intruder) using REST and SOAP, automating over 5 key business processes.
- Engineered 2 custom applications for asset and certificate management, integrating directly with Azure to improve asset tracking accuracy by 95%.
- Implemented data visualization by creating 20+ dynamic dashboards using the Performance Analytics Module to track SLAs, KPIs, and volumetrics, leading to a 15% improvement in SLA compliance.
- Troubleshot and resolved technical issues in daily operations, maintaining a 98% resolution success rate and reducing average downtime by 25%.

SCAI - ASU
SCAI Instructional Assistant   Aug 2025 - Dec 2025

- Graded Projects CSE 230: Computer Organization and Assembly Language
- Evaluated and graded comprehensive semester projects involving MIPS assembly language and digital logic simulations, ensuring strict adherence to rubric requirements.
- Analyzed student code submissions for logical correctness, efficiency, and edge-case handling, providing detailed feedback to facilitate student learning.
- Identified common technical errors in student submissions and reported trends to faculty to assist in curriculum adjustment.

ACADEMIC PROJECTS

- **Edge-Cloud Face Recognition Pipeline:** Developed a distributed pipeline using AWS IoT Greengrass on an EC2 Core Device for MTCNN face detection, triggering a cloud-based AWS Lambda function for FaceNet recognition via SQS queues.
- **GrocerX** - Full Stack Online Grocery Store using Next.js, React, Node and Tailwind CSS for a seamless shopping experience.
- **TARDIS** - Designed and implemented Tardis, a complete programming language with an interpreter written in Prolog, featuring lexical analysis, parsing with Definite Clause Grammar, and an evaluation engine supporting variables, control structures, functions, and expressions.
- **Venuedex** - A venue rating and sharing website, where users can add their own venues and view and other venues they have visited. The app uses Node, Express and MongoDB, Google Maps API.
- **Scrum Simulator -** Developed a Java Scrum simulator with Swing UI implementing role-based access control, JUnit testing, and JSON persistence using design patterns for simulation state management

SKILLS

Languages: JavaScript, Typerscript, Python, SQL, HTML5, CSS, C, C++, JAVA
Technologies: Git, AWS, Docker, REST API, SOAP API, GraphQL, MongoDB, MySQL, PostgreSQL, jQuery, Bootstrap, NumPy, TensorFlow, AngularJS, Node, Express, REACT, NextJS, Vue, Dialogflow, MATLAB, Tailwind