

Aditya Toleti Sai Venkata

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Education

Arizona State University	Master of Science: Computer Science	GPA: 4/4	Dec 2025
Vasavi College of Engineering	Bachelor of Engineering: Computer Science	GPA: 9.35/10	Sep 2020
Coursework: Data Structures, Design and Analysis of Algorithms, Cloud Computing, Operating Systems, Data Mining, Foundations of Algorithms.			

Skills

Programming Languages: Java, Python, JavaScript, SQL, HTML5, CSS3, PHP, C, C++, Ruby, Shell Scripting.

Tech Stack: ReactJS, NextJS, OJET, jQuery, React Native, PyCharm, Django, Maven.

Tools and Databases: PL/SQL, MongoDB, Oracle DB, Jenkins, Nginx, NodeJS.

DevOps: Docker, Kubernetes, Amazon Web Services (AWS), Oracle Cloud, Postman, Junit, CI/CD.

Data Management: ELK stack (Elasticsearch, Logstash, Kibana), JSON, YAML, Git.

Soft Skills: Collaborative, Scrum, Agile Methodology, Team Player, Problem Solving and Adaptability.

Work Experience

Software Engineer: Aug 2022 – Dec 2023 **Oracle India Private Limited**

- As a Software Engineer and Scrum Master at Oracle, I effectively bridged technical and project management roles, driving the delivery of complex software solutions through agile methodologies.
- Developed RESTful APIs for the hotel industry, integrating RFID-based room key functionality to enhance guest experience and improve security.
- Optimized the core workflow of the room reservation management system, significantly improving processing speed, which elevated both system performance and user satisfaction.
- Collaborated in developing a new React-based hotel reservation booking system, streamlining housekeeping operations, which led to substantial improvements in operational efficiency.

Associate Software Developer: July 2020 – July 2022 **Oracle India Private Limited**

- Led a collaborative effort to resolve backlog bugs, greatly enhancing system stability and reliability.
- Automated the creation of new REST framework flows using Python scripts, accelerating the development process for additional APIs.
- Contributed to developing a Java-based hotel reservation application, focusing on optimizing key functionalities such as reservations, housekeeping, and profile management across CRM, RSV, and INT modules.
- Implemented performance enhancements in database queries, reducing response times and improving overall system efficiency.

Software Development Intern: Jan 2020 – May 2020 **Oracle India Private Limited**

- Automated build and deployment processes using custom scripts, boosting performance by 20% by reducing compile times for critical modules.
- Reviewed and optimized SQL queries, while refactoring the team's codebase, which improved efficiency, maintainability, and system performance.

Projects

Musi Connect | React | Firebase | Python

- Developed a React Native frontend, enabling users to connect and chat with others who share similar music tastes.
- Implemented the backend using a web framework, hosting the application on an online server for real-time song suggestions in chat rooms.

Age and Gender Recognition | Python | MongoDB

- Utilized Haar cascades for face detection in images and video frames.
- Employed a Convolutional Neural Network (CNN) to predict the age and gender of detected faces accurately.

University Chatbot | JavaScript | NoSQL | Python

- Implemented an intent-based chatbot using Python and JavaScript to redirect users to requested pages on a college website.
- Integrated the chatbot with a database server to display the most frequently visited links on the site.

Smart Home Automation System | IoT | Node.js | Raspberry Pi

- Developed an IoT-based smart home automation system using Node.js and Raspberry Pi, enabling users to remotely control lights, temperature, and security cameras through a mobile app.
- Integrated sensors and actuators for real-time monitoring and control, improving home security and energy efficiency.