

# GEETHIKA VADLAMUDI

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## Education

### San Jose State University

*Master of Science in Computer Science*

**Aug 2023 – May 2025**

*San Jose, CA*

### V R Siddhartha Engineering College

*Bachelor of Technology in Computer Science*

**Aug 2018 – May 2022**

*India*

## Technical Skills

**Tech Stack:** C/C++/C#, Java, Python, HTML, XML, CSS, Bootstrap, JavaScript, TypeScript, .Net, Spring Boot, Angular, NodeJS, React, Flask, Django, Android Studio

**Cloud and Databases:** Amazon Web Services (AWS), Microsoft Azure, SQL, MySQL, PostgreSQL, MongoDB, Redis

**Automation and Version Control:** CI/CD, Git, GitHub, Jenkins

**Tools and Technologies:** Selenium, PowerBI, DevOps, Cloud Computing, Scrum, Agile, Software Development Lifecycle (SDLC), Docker, Kubernetes, Linux, Natural Language Processing (NLP), Machine Learning, Deep Learning, ETL/ELT, Blockchain

## Experience

### San Jose State University

*Teaching Associate*

**Aug 2023 – Present**

*San Jose, CA*

- Designed and conducted interactive **python** and CPX programming laboratory for undergraduate students.
- Provided support to 40+ students, leading to a 30% improvement in their understanding of programming concepts, a 20% increase in their ability to troubleshoot code independently.

### Microsoft

*Associate Consultant*

**Aug 2022 – August 2023**

*Hyderabad, India*

- Assessed 20+ customer applications for cloud migration readiness, analyzing system requirements and potential challenges for Azure integration.
- Engineered and executed migration of **.Net** applications to Azure Cloud, utilizing **Azure App Services** and Azure **SQL** Database, resulting in a 25% increase in application efficiency and enhanced revenue streams.
- Implemented continuous performance monitoring of migrated applications using Azure Monitor and Log Analytics, maintaining high service availability and user satisfaction.
- Provided post-migration support, optimizing system performance with Azure's analytics tools and identifying areas for continuous improvement.
- Developed a geo-mapping feature using **Angular** for a shipping company, enabling real-time shipment tracking and enhancing user interface, resulting in a 40% increase in customer satisfaction.
- Implemented language localization for the application, supporting 5+ languages, which improved accessibility and boosted user engagement by 30%.
- Led regression testing for a shipping services application, automating 100+ test cases with **Selenium** and Azure Test Plans, reducing defect risks by 30% and improving application reliability.

### Microsoft

*Associate Consultant Intern*

**Jun 2021 – Jul 2021**

*Hyderabad, India*

- Created a web application using **ReactJS** and **ASP.NET** Core, incorporating REST APIs, **Power BI**, **SQL**, **Azure Data Factory**, Azure Blob Storage and B2C Authentication while adhering to **Agile** Software Development principles. This application significantly enhances managerial efficiency, reducing time spent by 70%.

## Project

### Meeting Summarizer | Python, Flask, Natural Language Processing, Microsoft Azure

- Engineered an application leveraging Natural Language Processing and sequential layers on top of the BERT model which effectively condensed meeting transcripts by up to 60% while maintaining key information. The system combines HTML/CSS frontend with a Python Flask backend, hosted on Azure with less than 2 seconds of response time.

### DineIn | React, NodeJS, AWS

- Developed a robust restaurant management system using React for a responsive user interface and Node.js for efficient backend processing, capable of handling over 1,000 daily active users and processing orders 30% more efficiently. Seamlessly deployed and managed on AWS, the system maintained a 99.9% uptime and scaled to support up to 5,000 simultaneous users during peak times, while also incorporating an improved 'Contact Us' feature to enhance customer service response by 25%.

### Diabetic Retinopathy Detection | Python, Machine Learning, Flask

- Generated a deep learning model with an accuracy of 92% to detect the stages of Diabetic Retinopathy using retina images based on Convolutional Neural Networks (CNN).

## Achievements

**Publications:** Meeting Summarizer using NLP, Diabetic Retinopathy Detection

**Awards:** Star Performer Aspire Award, Excellence Award

**Certifications:** Azure Fundamentals, Azure AI Fundamentals, Azure Data Fundamentals, Cisco CCNA, AWS Cloud Computing 101