SRI VIDYA PUTTAREDDYGARI
srividya.puttareddy@outlook.com ● +1 (582) 228-0310 ● LinkedIn/SriVidyaPuttareddygari

Education

Gannon University, Erie, PA — August 2023 - May 2025
Master's in computer and information science with major in Software Engineering — 3.83/4 GPA

SV University, Tirupati, Andhra Pradesh, India — August 2016 – August 2020
Bachelors in Electronics and Communication Engineering — 7.6/10 CGPA

Relevant Work Experience

Gannon University Erie, PA, USA — September 2024 – Present
Graduate Research Assistant

- Researching code smell detection techniques using Machine Learning and Large Language Models (LLMs) to identify and address software quality issues.
- Developing and refining ML models to automate the detection of code smells, improving maintainability and performance in software systems

Gannon University Erie, PA, USA — September 2023 - Present
Student Research Assistant

- Actively engaged in cutting-edge Robotic Process Automation (RPA) research projects focused on implementing the CRM functionalities as a new application.
- In the Industrial and Robotics Engineering program, students get assistance with office work functions and provides support for the Human Bio-Signal Processing laboratory.

Gannon University Erie, PA, USA — January 2024 – May 2024
Graduate Teaching Assistant

- Instructor for cyber security related courses.
- Taught the concepts such as Penetration Testing, Security SDLC, Malware, Phishing et cetera and evaluated the performance of students, provided feedback and guidance.

TATA CONSULTANCY SERVICES - *Systems Engineer* — March 2021 – August 2023
Project 1: PNC Bank – Midland Loan Services – Borrower Insight - Client Portal Application
Full Stack Developer

- Implemented microservices, containerized architecture using both front-end and back-end technologies.
- Developed web and mobile applications using React JS, Kendo React, and scalable Rest APIs with ASP. Net Core API, EF Core, and SQL server database.
- Experienced in managing DevOps pipelines and configuration for code promotion from lower to production environments.
- Specialized in developing Proof of Concept (POC) projects for new business requirements, brainstorming ideas with scrum teams for optimal implementation.
- Created Unit test cases ensuring quality and code coverage, managed through Azure test plans.
- Developed a Mortgage Loan web application for borrowers and investors, ensuring compliance with WCAG standards and conducting accessibility testing for user-friendliness.
- Collaborated with US customers, stakeholders and Product Owners on product development life cycle and project management.
- Committed to delivering effective solutions through creative problem-solving within tight business requirement deadlines.
- Experience in giving KT sessions and mentoring the associates.

Project 2: PNC Bank – Midland Enterprise! - VAPT Remediation
Software Developer

- Assess Enterprise! MLS application's security vulnerabilities using Check Marx and Contrast tools.
- Develop a code fix for vulnerability remediation, conduct validation and reviewing with a senior developer before merging.
- Present product demos to the business team and product owner during sprint review meetings.

- Contribute to risk assessment projects targeting commercial real estate and Enterprise loan management systems.
- Experience in providing training sessions and mentoring the intern associates.

Environment: SSMS, Visual Studio, Visual Studio Code, React JS, C#, ASP. Net Core, SQL, HTML, CSS, JavaScript, Azure DevOps, Bit Bucket, GIT, OpenShift Container Platform (OCP), Jenkins.

Certifications

Microsoft Certified: Azure AI Engineer Associate	August 2024
Microsoft Certified: Azure Fundamentals	July 2021
Oracle Certified: Foundations Associate, Database	November 2023
NPTEL Certification of Internet of Things (IoT) and Embedded Systems on ARM	June 2018
National Engineering Olympiad 3.0	April 2020
Artificial Intelligence in 2-day Boot Camp Hackathon	November 2019

Technical Skills

Languages: ReactJS, C, C++, C#, .NET, SQL, Python, Shell, HTML, CSS, Java, Java Script, Dart, Flutter, Node, LINQ
Operating Systems: Windows 10, Windows 11, Linux, MAC OS
Tools: Azure DevOps, Amazon Web Services (AWS), Bit Bucket, Jenkins, Red hat OpenShift Container Platform, SQL Server, Visual Studio, Visual Studio Code, Android Studio, Postman, Generative AI, Hugging face, Oracle Database, MS Office, GitHub.
Methodologies: Agile
Database Tools: SQL Server Management Studio
Collaboration/Project Management: Miro, Jira, Click Up, SharePoint, Zoom, MS Teams, Google Meet, Slack
Microsoft Office: Visio, Excel, Outlook, PowerPoint, Word, Access, Office365