YAGNAN NIMMA

+91-8074488916 | yagnannimma@gmail.com | portfolio | in LinkedIn | ○ Github

Hyderabad, Telangana, India

EXPERIENCE

• Verisk Analytics   *Jan 2024 - Present*
Software Engineer   Hyderabad, India

◦ Conducted functional, regression, performance, and security testing across client-facing products, ensuring high quality and compliance with industry best practices.

◦ Developed and maintained regression suites in a fast-paced, feature-driven team environment, Achieved 90% test coverage for new functionality and reduced test execution time by 50%, improving overall efficiency.

◦ Tools and Technologies: AWS, Java, Selenium, Rest Assured, Python, Jenkins, Jmeter, git.

◦ Awarded the "**Pat on the Back**" recognition for identifying critical SQL injection vulnerabilities, covering over 70% of vulnerable areas in the application during security assessments.

EDUCATION

• Vasavi College of Engineering   *Aug 2020 - May 2024*
B.Tech Computer Science and Engineering   Hyderabad, India

◦ GPA: 9.00/10.00

PROJECTS

• Ware House Monitoring   *Jan 2023 - Apr 2023*
Tools: [Arduino IDE, C++, HTML, CSS, JavaScript, DHT, MQ2, LDR, Load Sensor]

◦ Developed a warehouse monitoring system using Arduino IDE, incorporating sensors like MQ2 (for gas detection), DHT (temperature and humidity), LDR (light detection), and Load Sensor to monitor quantity of goods.

◦ Designed a real-time dashboard and alarm system for improved fire detection and goods movement tracking, enabling faster response times and enhanced inventory control.

• Image Captioning   *Nov 2023 - Mar 2024*
Tools: [Python, Filker dataset, ResNet, VGG16, Xception]

◦ Designed and implemented an AI-powered image captioning system using pretrained models (ResNet, VGG16, Xception) to generate automated descriptive text for images, improving image interpretation efficiency by 35%.

◦ Built an accessible, user-friendly interface using Streamlit, enabling users to generate captions with a single click and providing enhanced accessibility for visually impaired users.

SKILLS

• **Programming Languages:** Java, C, Python, SQL, JavaScript

• **Web Technologies & Frameworks:** HTML, CSS, React, SpringBoot

• **Database Systems:** MySQL

• **Soft Skills:** Team player, Leadership skills, Management Skills, Problem solving

• **Cloud Technologies:** AWS

• **Areas of Intrest:** Machine Learning, Developing and testing real world Projects

• **Course Work:** SDLC, OOPS, Database Management Systems, Data Structures and Algorithms, Operating Systems, Computer Networks, CyberSecurity, IOT

• **Other Tools & Technologies:** Git, Eclipse, IntelliJ IDEA, Visual Studio, PyCharm, Jenkins, Agile, Scrum

ACHIEVEMENTS & CERTIFICATIONS

• EAMCET (**Rank: 936**), JEE Mains (**98.92%**), **97%** in 12th boards, **10/10 CGPA** in 10th board

• Rated **6 stars** on HackerRank in Problem Solving and Java, achieved a **max rating of 1600** in CodeChef

• Successfully participated in and organized multiple college-level coding contests.

• Received the **"Pat on the Back"** award for identifying critical security vulnerabilities.

• Design and Analysis of Algorithms - NPTEL[Link]   *Apr 2022*

• Introduction to Machine Learning - NPTEL[Link]   *Sep 2022*

• Programming in Java - NPTEL[Link]   *Apr 2023*