

SANJANA GARIMELLA

Software Developer - Bangalore, India

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Education

KL University

2019 – 2023

Bachelor of Technology in Computer Science, **CGPA: 9.12/10**

Vijayawada, India

Experience

IBM

Jun 2023 – Ongoing

Software Developer

Bangalore, India

- **Automated Security Scanning:** Assisted in automating security scans using Python, REST APIs, and Jenkins, enhancing vulnerability management across 18 subsystems.
- **Cross-Functional Collaboration:** Created and tracked over 80 defects while collaborating with developers to enhance the MEND vulnerability tracking system and automate processes, impacting over 100 repositories across global teams.
- **Power Subsystem Control:** Managed power states across BMCs in CPC and I/O drawers within IBM z system, streamlining defect creation and issue identification using Python and Jenkins.
- **Other Works:** Participated in ISDL hackathon, executing dynamic scripts using Flask, and contributed to a multi-cloud provisioning initiative with LLMs during the Developer Jumpstart Program. Currently contributing to a IBM Research Project for Data Analysis.

IBM

Jan 2023 – Jun 2023

Intern

Bangalore, India

- **Grafana Dashboard Development:** Designed and implemented a Grafana dashboard hosted on a virtual machine, incorporating features such as self-signed certificate and LDAP user authentication, to consolidate and present security scan results to upper management for effective monitoring.

Amazon

Jul 2022 – Jul 2022

ML Summer Intern

Virtual

- Participated in a competitive internship program focused on machine learning, engaging in expert-led discussions on supervised learning, deep neural networks, and reinforcement learning, gaining valuable insights into their practical applications in a tech environment..

Indian Servers

Aug 2021 – Nov 2021

Machine Learning Intern

Virtual

- During this internship, I worked on Face Mask Detection project, gaining hands-on experience with machine learning and deep learning algorithms. This project demonstrated the application of AI to address real-world challenges during the COVID-19 pandemic.

Projects

Loan Eligibility Prediction | Python, Machine Learning, Google Colab

Oct 2021

- Developed a machine learning model to predict loan eligibility, comparing algorithms such as Decision Tree, Random Forest, and Logistic Regression.
- Identified Random Forest as the most effective method, providing an automated solution to streamline the loan eligibility evaluation process.

Take a Trip | Python, Django, HTML, MySQL

May 2021

- Led a team to develop a travel and hospitality management website facilitating trip planning for travelers exploring major cities in India.
- The platform featured curated destination suggestions, hotel bookings, and direct access to trusted travel agents, earning recognition as one of the best projects in college.

Technical Skills

Languages: Python, Java, SQL

Developer Tools: Grafana, Google Colab, Jupyter, Pycharm, VS Code

Technologies/Frameworks: Django, Flask, Jenkins, Linux, AWS, Github

Accomplishments

Star of the Month Award: Recognized for enhancing the MEND vulnerability tracking system, improving tracking efficiency and streamlining onboarding for over **100** repositories in a shorter timeframe.

Team Award: Contributed to a team effort that streamlined security onboarding processes across 15 global subsystems, showcasing collaborative success.

People's Choice Award: Our team's MVP at the Developer Jumpstart Program received the People's Choice Award, underscoring our innovation and effective problem-solving, while achieving a **40%** reduction in cloud costs.