


# SANJANA GARIMELLA

Software Developer - Bangalore, India

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 [sanjana-garimella.github.io/portfolio-website](https://sanjana-garimella.github.io/portfolio-website)

## Education

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### KL University

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

**2019 – 2023**

Vijayawada, India

## Experience

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### IBM

Software Developer

**Jun 2023 – Ongoing**

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

Intern

**Jan 2023 – Jun 2023**

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

ML Summer Intern

**Jul 2022 – Jul 2022**

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

Machine Learning Intern

**Aug 2021 – Nov 2021**

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

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### 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

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**Languages:** Python, Java, SQL

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

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

## Accomplishments

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**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.