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 REST APIs and Jenkins to enhance vulnerability management.
- **Cross-Functional Collaboration:** Collaborated with developers to enhance the MEND vulnerability tracking system and automate related processes, impacting 18 subsystems across worldwide teams.
- **Power Subsystem Control:** Monitored power states across BMCs in CPC, and IO drawers through SE in IBM z by utilizing Python and Jenkins.
- **Strech Work:** Engaged in key projects, including implementing dynamic script execution with Flask during a hackathon and contributing to a multi-cloud provisioning initiative leveraging LLMs as part of the Developer Jumpstart Program.

IBM **Jan 2023 − Jun 2023**
Software Developer 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 two key projects **Face Mask Detection** and **Vehicle Damage Detection**. This experience provided hands-on exposure to machine learning and deep learning algorithms applied to real-world scenarios.

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, C++, SQL
Developer Tools: Grafana, Google Colab, Jupyter, Pycharm, VS Code
Technologies/Frameworks: Django, Flask, TensorFlow, Keras, 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 18 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.