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Siddu Ganesh Musa

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DevOps | Web Apps

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Career Objective

To secure a challenging position in a dynamic organization where I can apply my knowledge of DevOps and full-stack development to contribute to efficient software delivery and scalable application development, while continuously expanding my technical skills and expertise.

Education

B.Tech Computer Science and Engineering, Ellenki Institute of Engineering and Technology [JNTUH]   **Aug 2019 — Sep 2023**
Secured Overall 6.96 CGPA in B.Tech-CSE (affiliated to Jawahar lal Nehru Technological University Hyderabad) and volunteered to other teams in resolving issues of the projects.

XII Mathematics, Physics and Chemistry, Royal Junior College [TSBIE]   **Aug 2017 — Mar 2019**
Secured 64 % in XII-MPC (Board of Intermediate Education Telangana) and received **Diploma in C/C++**

X, Vidya Vikas High School [SSC]   **Aug 2005 — Mar 2017**
Secured 9.3 CGPA in Matriculation (Board of Secondary Education Telangana) and received a Merit student award for being Topper in my school.

Skills

- Proficient in **DevOps** practices, including version control with **Git**, repository management with **GitHub**, and containerization using **Docker** and **DockerHub**, ensuring seamless collaboration and efficient deployment pipelines.
- Experienced in leveraging **AWS** cloud services to deploy, manage, and monitor applications with a focus on scalability, high availability, and performance optimization.
- Skilled in integrating Software Development Life Cycle (**SDLC**) principles with DevOps practices to streamline workflows across all development stages.
- Expertise in developing user interfaces using **HTML** and **CSS**, configuring web servers, and automating processes through Linux scripts to enhance system efficiency and application hosting.
- Knowledgeable in programming languages such as **Java** and **JavaScript**, enabling effective development and troubleshooting of applications in various environments.
- Currently upskilling in **Configuration Management** and **Infrastructure as Code (IaC)** tools is available to enhance automation, consistency, and scalability in infrastructure provisioning and management.

Projects

A Blockchain-Based Autonomous Decentralised Online Social Network - JSP, Java, MySQL
- Designed and developed a blockchain-based decentralized platform enabling users to connect and share content without intermediaries.
- Leveraged smart contracts to enhance security and privacy, ensuring data immutability and user control over shared information.
- Implemented consensus algorithms (e.g., Proof-of-Work or Proof-of-Stake) to maintain a trustless and distributed network.
- Integrated cryptographic mechanisms to secure transactions and communications on the platform.

Malware Detection: A framework for Reverse Engineered Android Application - Python, Django
- Developed a comprehensive framework to detect malware in reverse-engineered Android applications.
- Utilized static and dynamic analysis techniques to identify malicious code patterns and anomalous behaviors in apps.
- Implemented machine learning models to classify applications malicious based on extracted features.
- Enhanced detection accuracy by analyzing API calls, permissions, and control flow graphs within decompiled Android APKs.

Courses

Full Stack Java Development @iNeuron by Nitin, Hyder Abbas and Navin Reddy.
DevOps with AWS

Achievements

- Secured 249th rank in TS PG ECET 2023 in CS/IT.
- Contributed to Hashnode: Doc Gallery - https://bit.ly/hashnodeDocGal

- As a Tech Enthusiast participated in various workshops
- Teaching

HOBBIES

- An avid **Chess player** who enjoys strategizing and problem solving, using the game to improve critical thinking, patience, and decision-making skills. https://www.chess.com/member/sidduganesh
- Explore New Technologies and AI Tools

LANGUAGES

- English
- Telugu (Native)
- Hindi