

Mahathi Reddy Vakeel

Cincinnati, OH | +1(513)-537-4411 | [LinkedIn](#) | [Portfolio](#) | vkldy.m9@gmail.com

OBJECTIVE

Driven and highly accomplished Information Technology graduate with a master's degree from the University of Cincinnati, graduating with a perfect 4.0 GPA. Equipped with hands-on experience as a Graduate Teaching Assistant, specializing in mobile application development, system administration, and game development. Demonstrates proficiency in Java, Python, C++, and cloud computing services including AWS and Azure. Adept at creating innovative software solutions, optimizing system performance, and conducting advanced data analysis. Seeking to join a reputed company as an entry-level Data Engineer to leverage my diverse technical expertise, strong leadership skills, and passion for cutting-edge technology to deliver impactful solutions and contribute to the company's growth and success.

SKILLS

Technical Skills: Python, Java, C++, SQL, MySQL, Pandas, SQL Server, MongoDB, .Net, Spring Boot, Microsoft Visual Studio, Spring JDBC, Linux, Agile methodology, Cloud Computing (Microsoft Azure, AWS), Software Testing, HTML5, JavaScript, PHP, Ruby, CSS3, JSON, Flutter, GIT, Unity, Informatica, Apache NiFi, Apache Airflow, Apache Beam, Google DataFlow, Apache Flink, Defensive Programming, PowerBI, ServiceNow, Mainframe, Excel, Google Cloud Platform, Anaconda, SoapUI, Data Warehousing (Snowflake), Hadoop, Kafka, Bash, Jenkins

Soft Skills: Strong analytical skills, Problem-solving abilities, Leadership, Communication, Teamwork, Teaching and mentoring, Project management

WORK EXPERIENCE

Graduate Teaching Assistant

Jan 2023 - Apr 2024

University of Cincinnati, Cincinnati, OH

- Guided students in advanced system administration tasks, including setting up and maintaining Linux/UNIX/Windows servers, enhancing security compliance by 15%.
- Instructed on system security, shell scripting, and server backups, facilitating improved policy adherence and operational efficiency.
- Trained students in using forensic software tools like Wireshark, focusing on legal procedures and risk analysis for enterprise systems.
- Led game development projects using Unity and Unreal Engine, fostering creativity and technical proficiency in JavaScript and C++.

Achievements: Certificate of Academic Achievement

Junior Software Developer

Aug 2021 - Dec 2022

TCS, Bangalore, India

- Developed and maintained C++ applications on Microsoft .NET platforms, ensuring high performance and reliability.
- Managed Mainframe and Informatica systems, ensuring seamless operations and adherence to industry standards.
- Developed complex SQL queries to manipulate and transform data according to business requirements.
- Utilized Agile methodologies in daily scrum meetings to provide detailed project updates and ensure alignment across distributed teams.
- Analyzed logs to identify and resolve API job failures, achieving 99% uptime and reducing customer support tickets by 50%.
- Designed and implemented ETL processes using Informatica PowerCenter, facilitating efficient data extraction, transformation, and loading.
- Validated Python APIs to ensure compliance with JSON formats and HTTP status codes, enhancing data integrity and client satisfaction.

Python Intern

May 2020 - Jun 2020

Core EL Technologies, India

- Engineered a Python-based IoT system with AI functionalities, resulting in a 25% increase in system efficiency.
 - Built a bespoke embedded system on FPGA, documented in a comprehensive case study, and conducted thorough testing, resulting in a 20% reduction in system errors.
 - Showcased expertise in software development and cloud computing within the IoT domain, utilizing Python programming and Google Cloud Storage, resulting in a 15% improvement in system reliability.
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EDUCATION

School of Information Technology, University of Cincinnati

Master of Science in Information Technology

Award: Outstanding Student of MSIT

MVSR Engineering College, Osmania University

Bachelor of Engineering

Related Courseworks: C++ · Cloud Computing · design and analysis of algorithms · · Operating Systems · Data Structures · C (Programming Language) · information storage · Data Mining · computer networks · oops using java · Databases · scripting language · Web Services · Big Data Analytics · Artificial Intelligence (AI) · Software Engineering Practices · Data Engineering, · Web Scraping, Python Programming, Database Systems · Object-Oriented Programming (OOP) · data communications · Web Application Development · Database Systems · Spring Boot · Microsoft Power BI · Presentation Skills · Software Architecture · Linux · Research Skills · data driven Cybersecurity · Large Language Models (LLM) · Jupyter · Wireshark · Cybersecurity · Google Cloud Platform (GCP) · Machine Learning · Databases · System Architecture · Human Computer Interaction · Professional Development Programs · Kali Linux · Anaconda · Microsoft Office

CERTIFICATIONS

- AWS: Deployment, Provisioning, and Automation
- AWS: Security and Compliance
- AWS Academy Graduate - AWS Academy Cloud Security Foundations
- Microsoft Certified: Azure Fundamentals
- ISC2 Certified in Cybersecurity (CC) Cert Prep
- Wireshark: Malware and Forensics
- Windows Server 2022 Essential Training
- IoT Foundations: Device Management
- Machine Learning with Python: Foundations
- Penetration Testing: Advanced Kali Linux
- Linux: Shells and Processes
- SUSE Linux Enterprise Server Essential Training
- Introduction to Linux
- Learning Linux Command Line
- Linux: Firewalls and SELinux