

Yousuf Adnan Mohammed

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EDUCATION

University of Central Oklahoma, Edmond OK, United States of America

- Master of Science in Computer Science
- January 2024 - Present
- Current GPA - 4.0/4.0

Deccan College of Engineering and Technology, Hyderabad, India

- Bachelor of Engineering in Information Technology
- 2019-2023

International Indian School Dammam, Al Khobar, Kingdom of Saudi Arabia

- Central Board of Secondary Education
- 2008-2019

WORK EXPERIENCE

DevOps Student Intern, Aryagami Cloud Services Pvt. Ltd.

May 2022 – June 2022

Service Launch Manager for Business Support Systems (BSS) for telecom providers

- Created a platform that allows communication service providers (CSPs) to generate revenue from their offerings and effectively oversee billing for both prepaid and post-paid customers.
- Effectively implemented BSS using microservices, enhancing the system's overall performance and ability to scale.

Junior Software Developer, Executive Softway Guild India Pvt. Ltd.

October 2022 – December 2023

Data analytics tool for MBSi Corp

- Developed a robust data analytics tool using Python for MBSi Corp, a leading tech company in the auto finance industry. The tool employs advanced data processing techniques to analyze large-scale financial data, enabling real-time insights into loan performance and risk assessment.
- Integrated data visualization libraries to create interactive dashboards, enhancing user accessibility and decision-making. Implemented secure data handling protocols to ensure compliance with industry regulations.
- Overall, the project enhanced data-driven procedures, providing MBSi Corp with valuable insights for well-informed strategic decision-making.

PROJECTS

SIEM Home Lab with Elastic Stack

Cybersecurity and SIEM Project | Built a comprehensive SIEM home lab using Elastic Stack. Configured Elastic SIEM for effective security event monitoring, deploying a Kali Linux VM with Elastic Agents for log collection. Simulated and analyzed security events using Nmap, honing skills in network security monitoring and threat detection. Developed custom dashboards and alert rules in Elastic SIEM, demonstrating expertise in data visualization, pattern recognition, and proactive incident response.

Comprehensive Encryption Tool

Cybersecurity Python Project | Designed and implemented a versatile encryption tool using Python, featuring a user-friendly GUI. The tool supports multiple encryption algorithms, ensuring data security and integrity across various use cases.

SMB Share Scanner

Cybersecurity Python Project | Developed an SMB share scanner in Python to identify and inspect network Shares. The tool filters sensitive information, providing enhanced security assessment and vulnerability identification for network administrators.

Quiz Application with Database Connectivity

Python and MySQL Project | Developed a quiz application that features seamless database connectivity to manage questions, user data, and track score metrics.

A Modern Web 3.0 Blockchain Application using Solidity, Crypto and Smart Contracts

Web Development and Blockchain Project | Created an innovative Web 3.0 blockchain solution using Solidity, cryptographic methods, and smart contracts to facilitate safe and decentralized Ethereum transactions, improving privacy and security within the cryptocurrency domain.

SKILLS AND INTERESTS

Languages and Technologies: Python, C/C++, JavaScript, HTML, CSS, React.js, Node.js, Express, Next.js, Django, MySQL, Three.js, Kubernetes, Containers, Docker, Solidity, Blockchain.

Interpersonal skills: Problem-solving, Collaboration, Decision-making, Leadership, Critical thinking, Adaptability, Creativity, Time-management, Organization, Communication.

Interests: Programming, Artificial Intelligence, Cybersecurity, Exploring New Innovative Technology, Reading Books, Long Drives, Fitness, Sports.

CERTIFICATIONS

- Course: Cybersecurity Essentials offered by CISCO
- Course: Google IT Automation with Python Professional Certificate offered by Coursera
- Course: Meta Front-End Developer Professional Certificate offered by Coursera
- Course: Google Cybersecurity Professional Certificate offered by Coursera
- Online Bootcamps by Google Student Developer Clubs and Microsoft Learn Student Ambassador Certifications

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **High School Table Tennis Team Representative:** Competed in both team and individual events at the Under 19 CBSE Nationals Cluster Meet in Greater Noida, India.
- **Runner-up in High School Science Exhibition:** Secured 2nd place in the 2015 "Edu-Ex" event, showcasing scientific knowledge and creativity.
- **College Group Discussion and Speeches Representative:** Served as the primary delegate for group discussions and public speaking engagements, effectively representing and communicating ideas on behalf of the team.
- **College Table Tennis Club Member:** Actively participated in practice sessions and intercollegiate competitions, fostering teamwork and sportsmanship.
- **Volunteer at Local Community Center:** Contributed time and effort to support various community initiatives, including tutoring, event organization, and fundraising.
- **Coding Club Leader:** Led the club by assisting students in resolving technical queries, fostering discussions on cutting-edge technologies, and promoting a collaborative learning environment.