Abdul Noushad Sheikh

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Education

San Diego State University　　　　　　　　　　　　　**Aug. 2022 – Dec 2023**
Master of Science in Computer Science (GPA: 4.00/4)　　　　　　　*San Diego*

Savitribai Phule Pune University　　　　　　　　　　**Aug. 2015 – July 2019**
Bachelor of Engineering in Computer Science (GPA: 3.66/4)　　　　　*Pune*

Experience

San Diego State University　　　　　　　　　　　　　**Aug 2022 - Present**
Research Assistant - Phishing Detection and Analysis; Dr. Homayouni, Dr. Shirazi

- Conducted research and data analysis to enhance phishing detection techniques.
- Engineered a Deep Learning model using Tensorflow for identifying phishing websites through image scanning.
- Built image indexing for a database of known websites utilizing Google ScaNN (Scalable Nearest Neighbors).
- Achieved 88.67% prediction accuracy in current tests with a speed of 0.17s per test in the current model.
- Also serving as a Teaching Assistant for the CS department, facilitating office hours and leading discussions and labs.

Amdocs　　　　　　　　　　　　　　　　　　　**Sept 2021 – July 2022**
Software Developer - DevOps

- Automated deployment and configuration management reducing deployment time by 70%.
- Orchestrated Docker containers in Kubernetes for scalability, redundancy and disaster recovery.
- Maintained Continuous Integration and Delivery pipelines using GitLab and Jenkins for faster release cycles.
- Collaborated with cross-functional teams to troubleshoot and resolve production issues, reducing downtime by 40%.
- Experienced with cloud platforms AWS, Azure and Google Cloud, including services such as EC2, S3, RDS, and VPC.
- Implemented Git branching strategies and code review processes to ensure high code quality and team collaboration.

Deloitte　　　　　　　　　　　　　　　　　　　**January 2020 – Sept 2021**
Systems Engineer - Technology Analyst

- Collaborated with cross-functional client teams to build scalable data-driven solution for Oregon IE Healthcare System.
- Designed and automated a testing framework that increased end-to-end testing efficiency by 150%.
- Built and managed continuous integration and delivery pipelines with Jenkins and Git, resulting in automated and streamlined application deployments in Azure Virtual Private Cloud.
- Worked closely with different teams to optimize performance, troubleshoot issues, and implement new features.
- Managed infrastructure costs, optimizing usage and implementing cost-saving, resulting in a 20% reduction in spend.
- Utilized a regular tech stack including Azure, Docker, Jenkins, GitLab, IAM, Security Groups, Python, Bash.

Projects

2MinuteJSON.com | *ExpressJS, NeDB, AWS EC2, NGiNX*　　　　　　　　**April 2022**

- Developed and launched a free JSON share service with one-time password key-based validation.[2minutejson.com]
- Designed and implemented a scalable and robust solution capable of handling 10K requests within a 2-minute.
- Utilized the service to create a free notes sharing platform, enabling easy note sharing across devices.[webnotes.ml]

JobsExplorer.in | *NodeJS, REST, AWS (EC2, RDS, S3), Linux*　　　　　**September 2019**

- Developed a Node.js and Express application to simplify job searches across popular job portals. [jobsexplorer.in]
- Implemented Google Analytics, SEO, & Nginx, resulting in a 30% increase in speed, performance and reliability.
- Deployed the application on a AWS EC2, routed with NGiNX to ensure high availability and fast query response time.

Technical Skills

Languages: Python, Java, C++, JavaScript, HTML/CSS, SQL
Platform/Tools: VS Code, IntelliJ, Eclipse, GCP, AWS, Azure, Android Studio
Technologies/Frameworks: Linux,Jenkins, GitLab, NodeJS, Git, AngularJS, ReactJS, MongoDB, Django, Docker, Kubernetes, Flask, Web Services, API, .NET, Jira, DevOps, Microservices, Tensorflow, ScaNN

Leadership / Certifications

- Led the technical team for the Tech Fest MIT Texephyr in 2018 & 19, overseeing the successful execution of the events.
- Co-founded and managed Project-Guru club in college, which provided guidance and support to students in coding.
- Certifications: Microsoft Azure Fundamentals (AZ-900), Microsoft Azure Security Engineer Associate (AZ-500)