Nityanand Madpathi

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SUMMARY

- Diverse professional with 3+ years of experience in Cloud, DevOps, and Data Analytics.
- Expertise in providing data driven decisions, agile development, building applications with Python, AWS services and containerization.
- Demonstrated history of working with tight deadlines, providing attention to detail, and meeting stakeholder expectations.

SKILLS

- Python, Java, C, JavaScript, HTML, CSS, R, MySQL, MS SQL, Oracle DB
- AWS, Microsoft Azure, GCP, Docker, Kubernetes, Terraform, Tableau

WORK EXPERIENCE

WICHITA STATE UNIVERSITY – Wichita, Kansas   **January 2023 – Current**
Graduate Research and Teaching Assistant

- Developed an accessible mapping system using Bluetooth beacons and Swift, designed to assist vision and mobility impaired users in navigating indoor spaces.
- Built a UI and mapping system for the campus using OpenStreetMap, Map Libre, and React Native.
- Delivered a range of teaching and assessment activities including tutorials directed towards the concepts of Wireless Networking and Cloud Computing.

GREAT LEARNING – Hyderabad, India   **October 2021 – June 2022**
Software Engineer

- Created automated backups of ephemeral data-stores to S3 buckets and EBS using AWS CLI.
- Developed, maintained, and optimized Terraform configurations to define and provision AWS resources, ensuring infrastructure consistency.
- Implemented CI/CD pipelines to automate the deployment of infrastructure changes and application updates using AWS CodePipeline, and Terraform.
- Designed and managed API Gateway configurations, including creating and maintaining RESTful APIs, HTTP endpoints, and integration with backend services.
- Collaborated with sales and business owners to automate the process of fetching customer data to get analytical results.

CAPGEMINI – Bengaluru, India   **May 2019 – October 2021**
Software Engineer

- Administered AWS accounts and configured EC2 instances and ELB.
- Setup inclusive monitoring, logging, and alerting systems using AWS CloudWatch and CloudTrail, ensuring real-time visibility into system performance and security threats.
- Automated banking jobs and file transfer on the client side using Terraform.
- Compiled summaries of business processes using SQL, Python, and Tableau, highlighting critical areas for improvement for senior management.
- Analysed datasets and collaborated with Finance, Accounting, and IT operations teams to gather and prioritize business requirements that increased performance by 25%.
- Created and maintained dashboards using Metabase and Tableau which gave business insights to the stakeholders.

EDUCATION

Wichita State University, Kansas   **May 2024**
Master of Science in Computer Science, **GPA: 4.0**
CVR College of Engineering, Hyderabad, India   **April 2019**
Bachelor of Engineering in Computer Science, **GPA: 3.62**

CERTIFICATIONS: AWS Developer Associate (in-progress), Microsoft Azure az-900, Google Data Analytics, Python, Java Spring Boot.