VENKATA SAI PRADEEP NAGISETTI

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Tempe, United States

SUMMARY

Motivated and detail-oriented graduate student actively pursuing a Master's degree in Software Engineering with a solid foundation in computer science. Aspiring to contribute my skills and knowledge as a Software Engineer or Software Developer to drive transformative solutions in the industry.

EDUCATION

Masters in Software Engineering — Expected May 2024
Arizona State University — Tempe, United States
- GPA: 3.93/4.0

Bachelors in Electronics and Communication Engineering — June 2022
Raghu Engineering College — Visakhapatnam, India
- GPA: 9.36/10.0

SKILLS

Programming Languages: Java, Python, JavaScript, C
Frameworks and Tools: Spring Boot, AWS SAM, Django, HTML, CSS, Git, Github, MySQL, jQuery, Agile, SDLC, AWS, MySQL, React, Design Patterns, Docker, AWS CloudFormation, Selenium, Amazon DynamoDB, Amazon RDS, REST API, Postman.
Operating Systems: Windows, Mac, Linux
Soft Skills: Teamwork, Leadership, Problem-solving, Attention to detail, Excellent Communication, Analytical-reasoning, Ability to work both independently, Ability to learn new languages and technologies, Resourcefulness and troubleshooting aptitude.

PROFESSIONAL EXPERIENCE

AWS Virtual Internship — March 2022 - May 2022
Edu Skills(AICTE) — Remote, India
- Architected a highly efficient Amazon Virtual Private Cloud (VPC) with modified subnets and security groups, achieving a 99% uptime for critical web applications.
- Implemented an Application Load Balancer (ALB) for seamless traffic distribution, reducing latency by 20% and enhancing user experience, while combining with Amazon RDS for efficient data storage and retrieval.
- Increased development team productivity by 40% by setting up AWS Cloud9 as an integrated development environment (IDE) and utilizing AWS Systems Manager for efficient server management.

Programmer Analyst Trainee — Oct' 2021 - March 2022
Cognizant Technological Solutions — Remote, India
- Increased service scalability by developing RESTful APIs for micro-services, resulting in a 30% increase in system efficiency and improved accessibility for end-users.
- Demonstrated proficiency in database design and implementation with SQL Server, modifying data retrieval and storage processes for 25% faster query response times.
- Leveraged Java Maven, Postman, and GitHub to streamline development workflows, fostering a 15% improvement in project collaboration and code version control.

PROJECTS

Food Catalog RESTful API | SpringBoot, RESTful API, Java, Maven, JUnit, MySQL, Git, Github — Jan' 2023 - April 2023
Personal Project — Tempe, United States
- Developed RESTful APIs in Java and Spring Boot, attaining a 20% increase in efficiency for retrieving, creating, updating, and deleting customer information, streamlining customer data management.
- Demonstrated proficiency in designing and managing databases using MySQL, improving data access times by 15% through optimized database creation and management techniques.
- Achieved 99.9% API uptime through robust error handling and effective troubleshooting, ensuring uninterrupted service.

Serverless Menu Item CRUD Service with AWS Lambda | Python, AWS Lambda, DynamoDB, API Gateway,Git — Aug' 2022 - Dec' 2022
Personal Project — Tempe, United States
- Maintained a high standard of code quality, resulting in a 100% accuracy rate for data insertion and updates in Dynamo DB.
- Enhanced Dynamo DB operations, reducing response times by 30% through query optimization techniques.
- Developed a RESTful API handling over 1,000 daily requests, facilitating CRUD operations on a Dynamo DB table.

Heart Disease Detection using Machine Learning Algorithms | Python, Matplotlib, Pandas, Random Forest Classifier — Jan' 2022 - May 2022
Personal Project — Visakhapatnam, India
- Achieved an impressive accuracy score of 92% on the testing data, outperforming industry benchmarks.
- Created and visualized confusion matrices, revealing a 95% true positive rate for heart disease prediction.
- Employed a Random Forest Classifier with 100 estimators and 'auto' feature selection, contributing to a remarkable accuracy rate of 94%.

CERTIFICATIONS

- AWS Certified Solutions Architect- Associate (SAAC03)