

Varun Medida

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Education

Georgia State University (GSU)

Master in Computer Science and Technology (GPA: 3.9 / 4.00)

December 2024

Atlanta, Georgia, USA

Anurag Group of Institutions (CVSR)

Bachelor of Technology in Information Technology (GPA: 9.17 / 10)

June 2019

Hyderabad, Telangana, India

Skills

Languages : Java, Python, SQL, PHP, C++, HTML, JavaScript, TypeScript, JQL

Frameworks and Libraries : Spring Core, Spring Boot, Spring JDBC, Spring ORM, Spring Data JPA, Spring Web, Spring Batch, Hibernate, Angular, React, jQuery, Bootstrap, Dagger, Selenium, Mockito, Junit

Technologies : Git, AWS, Linux, Kafka, Docker, Jenkins, Terraform, MySQL, Hibernate, Kubernetes, Elasticsearch, JIRA, Logstash, Kibana, Splunk, Front-end, Microservices, NoSQL, MongoDB, Agile, CI/CD, Code review, Compliance, MacOS

AWS : Lambda (Serverless), EC2, S3/Glacier, VPC, IAM, Cloud Formation, Cloud Watch, SNS, SES, Auto Scaling, Load Balancers, Cognito, SSM, Dynamo DB, API Gateway, Amazon RDS, Code Commit, Code Deploy

Certifications : AWS Certified Solutions Architect - Associate, AWS Certified Developer - Associate

Domains : eCommerce, Financial Services, EdTech, FinTech, Software Development lifecycle

Experience

Georgia State College of Law

January 2023 - August 2023

Research Assistant | Python, Tableau, Jupyter Notebook, Excel

Atlanta, Georgia, USA

- Automated data collection from multiple channels, improving processing efficiency by 70%
- Developed dynamic **Matplotlib visualizations** to enhance **stakeholder understanding** of complex data
- Designed algorithms in Python for improved data organization in Excel, enhancing analysis accessibility by 20%
- Adhered Agile methodology throughout project, ensuring consistent feedback loops and timely delivery

EPAM Systems

January 2020 - December 2022

Software Engineer | AWS, GlueJob, Terraform, CI/CD, Github, Spring Boot, Dagger, Jenkins

Hyderabad, India

- Led a 4-member **Agile** team, gaining a 70% efficiency boost in an **single-page** web app for EPAM's R&D program
- Implemented **design patterns** in services to manage resources, resulting 50% reduction in memory consumption
- Automated processes, implementing Jenkins pipelines, resulting in an **85% reduction** in manual effort for code build
- Collaborated with BA's, serving as **SME** for multiple features in project, contributing 25% faster feature delivery
- Made impactful alterations to **Terraform** scripts, fortifying **AWS infrastructure** for scalability and reliability by 15%
- Engaged in all development lifecycle phases, from requirements gathering to deployment, ensuring a seamless transition of features into production.
- Architected **18 Java REST APIs**, mentored engineers, crafting clean and efficient code, boosting 50% in readability.
- Diagnosed and **optimized** backend APIs, collaborated with QA teams, and maintained comprehensive **documentation** to ensure smooth project handover
- **Mentored** junior engineers on best coding practices, design patterns, and SDLC, resulting in a 50% improvement in code readability and maintainability.

Tata Consultancy Services

June 2019 - December 2019

Associate System Engineer | MSSQL, C, SQL, Visual Studio

Hyderabad, India

- Executed 5 data migration projects, ensuring seamless transitions and system efficiency improvement
- Attained an 85% decrease in backup failures by executing proactive measures, ensuring robustness
- Spearheaded Database Administration, data migrations, master data creation, and effective client communication
- Utilized the Factory Design Pattern to create modular database services, improving scalability and reducing development time by 30%

Spyry Technologies

March 2018 - May 2018

Intern | Kali Linux, Burp Suite

Hyderabad, India

- Conducted Vulnerability Assessment and Penetration Testing on web applications, ensuring security evaluations
- Applied security best practices and reported findings to senior engineers, leading to the remediation of critical vulnerabilities

Projects

eCommerce Website | *Java, Spring boot, Angular*

- Developed an eCommerce platform during training at EPAM Systems
- Implemented web services using Java Spring Boot and designed user interface using Angular
- Enabled customers to shop products, view items in cart, and modify selections, contributing to an intuitive and responsive user experience
- Focused on customer engagement and iterative development to refine features based on user feedback

PEP Portal | *Java, Spring boot, Angular, MySQL*

- Led the development of a PEP portal project at EPAM Systems
- Focused on secure and efficient data management, with an emphasis on compliance and software development lifecycle best practices
- Leveraged cloud computing solutions to meet customer needs, ensuring scalable and reliable service delivery through AWS services
- Designed the technical architecture to ensure robust and scalable solutions
- Emphasized test automation and web services for reliable performance

CARMA Project | *AWS, CQRS Pattern, Java, Terraform*

- Contributed to the CARMA architecture project at UBS as a contractor from EPAM Systems
- Designed and developed key components of a wealth management tool based on the CQRS (Command Query Responsibility Segregation) pattern
- Resolved a critical issue in the SIT environment involving AWS Lambda and queue subscriptions, preventing unnecessary costs and ensuring proper product delivery
- Acted as point of contact for DevOps issues, providing clear evidence from YAML files and AWS support to optimize infrastructure performance
- Operated in a fast-paced environment, ensuring timely delivery and high-quality standards

Travel Amigo | *React Native, Firebase*

- Oversaw React Native app development, obtained feedback from 200+ students, achieving a 4.5-star user satisfaction rating, and optimizing performance effectively
- Performed robust user authentication, dynamic trip management, and seamless weather integration, driving a 30% increase in user registrations and a 20% improvement in retention through personalized features
- Promoted team building and collaboration to achieve project goals

Membership Inference Attack | *Python, XGBoost, Pytorch*

- Directed a privacy assessment, contributing to a 15% improvement in model robustness against inference attack
- Constructed and deployed a comprehensive set of diverse shadow models, including XGBoost, Random Forest, Linear Regression, Perceptron, AdaBoost, SVM, and Hist Gradient Boosting Classifier
- Applied data manipulation, resulting in a 25% increase in data privacy efficacy in machine learning models
- Utilized advanced data structures and distributed storage techniques to enhance data security