

Aishwarya Manoharan

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SUMMARY

- Strong programming and debugging skills and a thorough knowledge of data structures.
- Successfully handled migrations, on site issues and supported applications
- Fast learner, motivated, and adaptable to changing needs. Works well independently, within a team, and across teams. Strive to make a positive impact.

EDUCATION

- **San Jose State University**, California **Aug '23 - Present**
Masters of Science, Software Engineering
 - **Coursework:** Cloud Technologies, Virtualization Technologies, Data Mining, Cloud Services, Smartphone App Development, Enterprise Software Platforms
- **Anna University**, India **Jul '16 - May '20**
Bachelor of Engineering, Information Technology, GPA:3.36/4
 - **Coursework:** Data Structures and Algorithms, Programming Languages, Operating systems, Databases, Software Engineering, Cloud Computing

TECHNICAL SKILLS

- **Languages:** Python, C++, Java, HTML, CSS, JavaScript, SQL
- **Frameworks & Libraries:** Django, Pandas, Bootstrap, HTML, CSS, Hadoop Map-Reduce, Pyspark, ReactJS
- **Databases IDE and Tools:** MYSQL, PostgreSQL, Atom, Eclipse, Visual Studio, WireShark, Postman, Docker
- **Cloud Technologies:** AWS: EC2, ECS, S3, Lambda, SQS & SNS, Kubernetes

PROFESSIONAL EXPERIENCE

- **Software Engineer** - Infosys, India **Oct '20 - Nov '22**
 - Integrated third party API for verification and validation of user data increasing security and flexibility.
 - Modeled and optimized database to add features, workflows to increase efficiency of application by 40%.
 - Designed and Developed an automation framework which validates all lifecycle operations of Generic Services which are On-Demand cloud services engineered using RESTful APIs. The framework was used by internal testing teams which reduced testing life cycle.

RECENT PROJECTS

- **Ecommerce Web Application**
 - Modeled a customized web application with an aim to mimic real world E-Commerce giants
 - **Major features:** Product search, product review and rating, shopping cart with PayPal & credit/debit payments, login/logout, user profile, admin setup to manage users, orders details and products, SQS for orders, deployment with multiple EC2 instances and Application Load Balancers for high Availability
 - **Tech stack:** ReactJS, Django, Postman, JWT authentication, Python, Postgres, AWS EC2, S3, ALB, SQS
- **Dining Concierge Chatbot**
 - Programmed a chatbot that takes a set of preferences that the user inputs and sends restaurant recommendations
 - **Major features:** Chatbot conversations, indexed recommendations, notifications
 - **Tech stack:** Python, HTML, AWS: S3, Lex, Lambda, DynamoDB, SQS, SNS, Elasticsearch, CodePipeline
- **NYC Crime Map Statistics**
 - Enforced a database intensive application with informative backend tables related to the different types of crimes happening around NYC. Designed an Entity-Relationship model and schema for the database, wrote complex queries using joins, recursion, views in the backend to compute results
 - **Tech stack:** Python, SQL, Postgres, StreamLit, PgAdmin

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** **Valid until Aug '25**