

Aatish Dineshbhai Chaudhari

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EDUCATION

Masters of Science in Computer Science & Engineering August 2022 - May 2024
Arizona State University, Tempe, USA 4/4
Coursework: Cloud Computing, Distributed Database Systems, Computer Vision, Data visualization

Bachelor of Technology in Computer Science & Engineering July 2017 - May 2021
Dharmsinh Desai University, Nadiad, India 3.8/4
Coursework: Data Structure & Algorithms, Big Data Analysis, Software Engineering

SKILLS

Languages: C#, Python, C++, JavaScript, SQL, JAVA, TypeScript, Matlab
Frameworks: Serverless Framework, Express, Node.js, .Net, Kafka, Angular, Django, Selenium, React Native, React, Flask, D3, Jasmine
Cloud: Azure, AWS
Other: Docker, GIT, PostgreSQL, MySQL, MongoDB, Jenkins, CI/CD, Jira, Kubernetes, Data Dog, Octopus

EXPERIENCE

Advanced Sterilization Products, Irvine CA, USA
Software Engineer Intern October 2023 - Present
Tech Stack: Python, ML, AI

- Developed Python based application for hardware and software validation for ASP Access Technology
- Developing a chatbot leveraging Azure OpenAI and Cognitive Search to deliver customized responses based on company-specific data.

EdPlus, Scottsdale AZ, USA
Software Developer Assistant August 2022 - October 2023
Tech Stack: C#, Node.js, AWS, Serverless, Python, MJML, Vue.js

- Developed automated processes on AWS Serverless Framework, facilitating email reminders, file processing, and API development
- Led the development of two virtual reality software applications using Dream Scape Learn SDK and Unity.
- Streamlined project workflow in collaboration with the development team, ensuring timely delivery of software

HHAeXchange, Ahmedabad, India
Software Engineer December 2020 - July 2022
Tech Stack: C#, .Net core, kafka, Angular, SQL, PostgreSQL, AWS, CI/CD

- Optimized **kafka** event processing pipeline, resulting in 30% faster processing and 15% lower server costs
- Led a team of 4 for deploying an application that processed over 10k files per day, leveraging **.Net Core and C#**
- Partitioned a **SQL** database into multiple databases using events-based publisher-subscriber architecture
- Revamped **Angular** cash payment module for 35% efficiency boost and better UX
- Expertly integrated advanced security features leveraging **AWS** Secrets Manager Services and AWS Cloud Watch Logging Service with Structured logging in .Net Core

PROJECTS

Stance Detection | Python, BERT April 2023

- Led team in Climate Stance detection, analyzing tweets to identify causes of shifts
- Visualized decision-making process by highlighting influential words to build user trust in tweet stance prediction and developed engaging website

Edge Computing | Java, Python, TensorFlow, Flask September 2022

- Designed parallel computing solution, reducing server load by achieving 50% reduction in latency
- Optimized nearby device utilization for enhanced image digit prediction with distributed machine learning model

Object Detection using AWS | AWS, Python, AWS S3, Flask Jan 2023

- Implemented the web tier utilizing Flask, and application tier on EC2 infrastructure for object detection
- Configured the application tier to auto-scale on EC2 instance in response to changes in the size of the **SQS** queue.

Augmented Reality And Its Use Case | C#, AR Core, Ar Tool Kit, Unity3D June 2020

- Devised and deployed AR/VR experiences, resulting in a 30% increase in festival engagement
- Designed face filters, live books, and games, leading to a 40% boost in festival attendance
- Delivered an immersive treasure hunt game, resulting in a 50% increase in interactive experiences

Exam-Portal | C#, .Net, MVC Framework, SQL December 2019

- Created an website with 3 different user roles, helps faculties in managing exam and scores of student
- Implemented factory design pattern and dependency injection for creation of object