

Aatish Dineshbhai Chaudhari

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EDUCATION

Masters of Science in Computer Science & Engineering Arizona State University, Tempe, USA	August 2022 - May 2024 4/4
Coursework: Cloud Computing, Distributed Database Systems, Computer Vision, Data visualization	
Bachelor of Technology in Computer Science & Engineering Dharmsinh Desai University, Nadiad, India	July 2017 - May 2021 3.8/4
Coursework: Data Structure & Algorithms, Big Data Analysis, Software Engineering	

SKILLS

Languages: C#, Python, C++, JavaScript, SQL, JAVA, TypeScript, Matlab
Frameworks: LangChain, Langflow, PyTorch, Serverless Framework, Express, Node.js, .Net, Kafka, Angular, Django, Selenium, React Native, React, Flask, D3, Jasmine, TensorFlow, Keras, Scikit-learn, Hugging Face Transformers
Cloud: Azure, AWS, Google cloud(GCP)
Other: Docker, PostgreSQL, MySQL, MongoDB, Jenkins, CI/CD, Jira, Kubernetes, Agentic AI, Octopus, MCP

EXPERIENCE

Amazon, Software Development Engineer , Seattle WA, USA	December 2024 - Present
Tech Stack: AWS, Java, Python, Microservices, DynamoDB, Lambda, SparkSQL	
<ul style="list-style-type: none">Delivered regional migration projects achieving VP operational goals with 100% uptime and zero incidentsImprove incentive launch process, reducing developer effort by 60% and deployment time by weeksOptimized CI/CD pipelines, decreasing release cycles from multiple weeks to under three daysEnhanced user-facing features, lowering customer queries by 40% and improving satisfaction scores	
Advanced Sterilization Products, Software Engineer , Irvine CA, USA	October 2023 - December 2024
Tech Stack: Python, ML, AI	
<ul style="list-style-type: none">Developed Python based application for hardware and software validation for ASP Access TechnologyDeveloping a chatbot leveraging Azure OpenAI and Cognitive Search to deliver customized responses based on company-specific data	
EdPlus, Software Developer Assistant , Scottsdale AZ, USA	August 2022 - October 2023
Tech Stack: C#, Node.js, AWS, Serverless, Python, MJML, Vue.js	
<ul style="list-style-type: none">Developed automated processes on AWS Serverless Framework, facilitating email reminders, file processing, and API developmentLed the development of two virtual reality software applications using Dream Scape Learn SDK and UnityStreamlined project workflow in collaboration with the development team, ensuring timely delivery of software	
HHaExchange, Software Engineer , Ahmedabad, India	December 2020 - July 2022
Tech Stack: C#, .Net core, kafka, Angular, SQL, PostgreSQL, AWS, CI/CD	
<ul style="list-style-type: none">Optimized kafka event processing pipeline, resulting in 30% faster processing and 15% lower server costsLed 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 architectureRevamped Angular cash payment module for 35% efficiency boost and better UXExpertly 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
<ul style="list-style-type: none">Led team in Climate Stance detection, analyzing tweets to identify causes of shiftsVisualized 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
<ul style="list-style-type: none">Designed parallel computing solution, reducing server load by achieving 50% reduction in latencyOptimized nearby device utilization for enhanced image digit prediction with distributed machine learning model	
Object Detection using AWS AWS, Python, AWS S3, Flask	Jan 2023
<ul style="list-style-type: none">Implemented the web tier utilizing Flask, and application tier on EC2 infrastructure for object detectionConfigured 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
<ul style="list-style-type: none">Devised and deployed AR/VR experiences, resulting in a 30% increase in festival engagementDesigned face filters, live books, and games, leading to a 40% boost in festival attendanceDelivered an immersive treasure hunt game, resulting in a 50% increase in interactive experiences	