**Ankith Aralehalli Shankar**

[aaraleha@asu.edu](mailto:aaraleha@asu.edu) • (602) 686-5629 • Tempe, Arizona, USA • <https://www.linkedin.com/in/ankith-a-s>  
Graduate Student in Computer Science looking for Full Time opportunities; 4 years of Full Stack Development Experience­

**Technical Skills**

**Languages:** C#, Java, JavaScript, TypeScript, NodeJS, Python, SQL, Bash, HTML, SCSS

­**Frameworks:** React, Redux, Angular, Spring Boot, StencilJS, Express, ASP.NET, ASP.NET Core, Blazor

**DevOps:** Kubernetes, Docker, Gitlab CI/CD, Jenkins, Playwright

**Databases:** Postgres, MongoDB, Neo4j, CosmosDB, Redis

**Other:** AWS, Azure, GCP, Microservices, Agile, gRPC, REST, Linux, Kafka, Event Hub, ELK Stack, Git, JIRA

**Professional Experience**

**Intel Corporation, Chandler, USA: Software Engineer Graduate Intern (Full Stack)** **May 2023 - Present**

* Developed **Kubernetes-based Docker** virtualization software for automated testing, yielding **60%** reduction in testing time
* Conducted **load testing** of the backend service built using **ASP.NET Core** and performed significant optimizations that bolstered its capacity to support **multiple concurrent users** across different regions
* Worked on key features in virtualization software dashboard, using **Blazor** and **ASP.NET Core**
* Collaborated in developing **CI/CD pipelines** using **Jenkins, Azure and Powershell** for ASP.NET Core services

**Ideacrest Solutions: Full Stack Developer** **July 2020 - July 2022**

­LCA Tracing System

* Led a team of **4 people**, ensuring the successful and timely completion of the project
* Coded fundamental **React** components utilized across multiple websites, resulting in **40%** reduction in code redundancy

­Carbon Impact & Carbon Offset Widgets

* ­Identified and addressed the bottleneck in impact widgets by removing the dependency of Zone.js in the **Angular web components**; improved performance by **85%** and reduced bundle size by **55%**
* Rewrote the offset widgets with **StencilJS and GTM**; which was incorporated by **200+** clients and had **millions** of visits

­Simplizero Consumer Offsets

* ­Drove development of build pipeline and architecture for caching and routing policies for **React and NodeJS** applications utilizing **Gitlab CI/CD, Puppeteer, Docker, AWS ECS, Cloudfront**, and **S3**
* Optimized **Google Page Speed** of the website to **92%,** which increased customer engagement by **10%**

­Carbon Offset Order Processing Engine

* + ­Designed carbon offset order pipeline using **NodeJS, AWS SQS and SNS** which was processing around **100 orders/minute**

­Centralized Services & DevOps

* ­Built the Authorization Server using **AWS Cognito and NodeJS** which was performing SSO for **4** websites: enhanced user accessibility by **35%**
* Implemented unified billing system using **Stripe, NodeJS and Chargebee**; automated manual payments by **80%**
* Collaborated in implementing inter-service communication between **NodeJS microservices** leveraging **AWS SQS and SNS**

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**Zetwerk & Precept Labs: Software Engineer (Full Stack)** **June 2019 - August 2020**

* Recommended and made design revamp of Issue Tracking Portal using **Angular**; optimized user experience by **25%**
* Performed aggregation of store and order data stored in **MongoDB**; dropped the latency by **40%**­

**Project**

**Pothole Detection System using Raspberry Pi and Deep Learning** **January 2019 - April 2019**

* ­Utilized SVM for detection of potholes and PCA was used to reduce the features from **60** to **20**
* Boosted the pothole detection by **15%** with the use of Sense-HAT Sensor and Raspberry Pi
* Presented model using an Android Application and displaying upcoming potholes, improving the driving experience by **35%**­

**Leadership**

* Teaching Assistant of **CSE 445 Distributed Software Development** using **C#** and **ASP.NET** for around 700 students
* Led a team of **100 people** in Swachh Vidyarthi, Swachh Vidyalaya and Swachh Gruha initiative by ISKCON Foundation

**Education**

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| **­­Arizona State University, Tempe, Arizona, USA** | **Masters in Computer Science | GPA: 4/4** | ­ **May 2024** |
| ­­Coursework: Distributed Software Development, Data Structure & Algorithms, Microservices and Scalability | ­ |
| **Dayananda Sagar College of Engineering** | **Bachelors in Information Science** | ­**May 2019** |
| ­­Coursework: Object Oriented Programming, Database Management System and Machine Learning | ­ |