Ankith Aralehalli Shankar

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Graduate Student in Computer Science looking out for Summer 2023 Internships; 3.5 years of Full Stack Development Experience

EDUCATION

Masters in Computer Science	**May 2024**
Arizona State University, Tempe, Arizona	**GPA: 4/4**
Bachelors in Information Science	**May 2019**
Dayananda Sagar College of Engineering, Bangalore, India	**GPA: 8.63/10.0**

TECHNICAL SKILLS

Languages: JavaScript, Java, SQL, Python3, Bash, HTML, CSS, TypeScript, NodeJS, SCSS, C#, ASP.NET
Frameworks: React, Redux, Angular, StencilJS (Web Components), Express, NestJS
Tools & Technologies: Git, JIRA, Linux, Docker, Gitlab CI/CD, Google Tag Manager, Sequelize, Mongoose
Databases & Cloud Services: PostgreSQL, MongoDB, Neo4j, GCP, AWS
Miscellaneous: Data Structures & Algorithms, Object Oriented Programming, Distributed Software Development, System Design, Microservices, DevOps, Machine Learning & Deep Learning

PROFESSIONAL EXPERIENCE

Ideacrest Solutions, Bangalore: Full Stack Developer   **July 2020 - July 2022**
LCA Tracing System
- Developed core components in React which was used by multiple sites across the organization
- Researched and introduced domain-driven architecture and built the template to be employed in **multiple** services
- Designed low-level design of the project which supported impact calculation of products at **numerous** levels in the supply chain

Simplizero Consumer Offsets
- Drove development of build pipeline and architecture for caching and routing policies for frontend applications utilizing Gitlab CI/CD, Puppeteer, AWS Cloudfront, and S3
- Optimized Google PageSpeed of the website to **92%;** which increased customer engagement by **10%**

Carbon Impact & Carbon Offset Widgets
- Identified and addressed the bottleneck in impact widgets by removing the dependency of Zone.js in the Angular widgets; improved performance by **85%** and reduced bundle size by **55%**
- Developed the offset widgets with StencilJS and GTM; which was incorporated by **200+** clients and had **millions** of visits

Carbon Offset Order Processing Engine
- Implemented carbon offset order pipeline which was processing around **100 orders/minute** with high efficiency

Centralized Services & DevOps
- Built the Authorization Server which included performing SSO for **3 - 4** websites; enhanced user accessibility by **35%**
- Implemented an automated unified billing system using Stripe and Chargebee; decreased manual payments by **80%**
- Created the system for inter-service communication between microservices leveraging AWS SQS and SNS

Zetwerk, Bangalore: Full Stack Developer   **March 2020 - August 2020**
- Created **Purchase Order flow** in Factory Management System with Angular
- Recommended and implemented design revamp and improvement of Authentication System of Issue Tracking System; optimized user experience and system functionality by **65%**

Precept Labs, Bangalore: Software Engineer   **June 2019 - March 2020**
- Collaborated in the development of the grocery management product and worked on Inventory, Chat Order, and House Expenditure charts
- Performed aggregation of store and order data; dropped the latency by **40%**

PROJECTS

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%**

Arecanut Trading Application   **May 2019 - September 2019**
- Provided a comprehensive solution to digitize arecanut trading for more than **100+** traders using React, NodeJS and AWS

LEADERSHIP

- Teaching Assistant for the subject CIS 425 Enterprise Web Technologies which has class strength of 80
- Led a team of **100** people in Swachh Vidyarthi, Swachh Vidyalaya and Swachh Gruha initiative by ISKCON Foundation