

# DEVANSH SANJEEV SOLANKI

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## EDUCATION

### University of California, Irvine

Irvine, California

Master of Computer Science, GPA: 3.89

Dec 2023

- Relevant Courses: Computer Security, Machine Learning, Analysis of Algorithms, Data Structures, Distributed Systems.

### K J Somaiya College of Engineering

Mumbai, India

Bachelor of Technology in Computer Engineering, GPA: 3.7

Oct 2020

- Relevant Courses: Relational Database Management Systems, Artificial Intelligence, Object Oriented Programming.

## TECHNICAL SKILLS

**Programming Languages & Databases:** Python, JavaScript, TypeScript, Java, C++, C#, SQL, Postgres, MySQL, MongoDB

**Platforms and Software:** Azure DevOps, Azure IaaS, AWS EC2, AWS ECS Fargate, AWS EKS, Docker, Kubernetes, Maven, Git

**Web Technologies:** React, Node.js, Express.js, Django, Flask, REST API, Web3, HTML5, CSS

**Certifications:** Azure Administrator Associate, Azure Fundamentals

## PROFESSIONAL EXPERIENCE

### Starburst Data, Boston, USA | Software Engineer Intern

June 2023 – Sept 2023

- Identified cloud savings for Amazon EC2, ECR, and S3 buckets resulting in a saving of ~\$20,000/month and implemented Infrastructure as Code changes using Pulumi and Typescript.
- Built developer platforms for better tracking of a distributed software architecture using Typescript, React and Node.js. Achieving boosted productivity and increased visibility across 500 code repositories.
- Engineered and orchestrated deployment strategies of developer platforms on AWS EKS instances using Docker, Kubernetes, and streamlined automation through Pulumi, Typescript and Github Actions.

### Microsoft, Hyderabad, India | Cloud Solution Architect – Engineering

Oct 2020 – Sept 2022

- Orchestrated and delivered 50+ workshops and advised 200+ enterprise customers on Azure DevOps best practices regarding Agile and Scrum workflows, CI/CD pipelines, test plans, package and repository management.
- Implemented scripts for automated migration of 1000+ CI/CD pipelines and repositories using Azure DevOps REST API and Azure CLI, aiding customer to better manage workloads across multiple organizations.
- Strategized and performed risk assessments for customer's Exchange Server environments leading to enhanced security, compliance, and performance, resulting in an average assessment quality index of 90%.

### NorthStar Innovations, Mumbai, India | Frontend Developer

Aug 2020 – Oct 2020

- Led a team of developers to build production application version of a Student Relationship Management software to efficiently automate and handle school management tasks using React/Redux ensuring cross browser compatibility.
- Experience in developing component life cycle architecture, designing interactive React components and Redux-Saga for asynchronous logic in React.

### Flyrobe, Mumbai, India | Software Engineer Intern

June 2018 – Aug 2018

- Modeled and deployed a hybrid recommendation system to suggest products to customers, resulting in increase of 15% in conversion rate of customers.
- Developed Django REST APIs for order and inventory management allowing customers to seamlessly order products from e-commerce platform resulting in a 20% increase in customer satisfaction.

## PROJECTS

### Adaptive Traffic Signal Timer | Python, TensorFlow, YOLO Object Detection, Pygame

- Engineered a traffic management system that adjusts traffic lights in real-time, reducing average wait time by 23%.
- Trained a custom YOLO Object Detection model to identify and count vehicles in an image by class (car, bus, truck, bike).
- Showcased at a National Level Project Competition organized by Government Polytechnic, Mumbai.

### Distribute-It | ReactJS, Python FastAPI, MongoDB, Solidity, Web3, Ethereum Blockchain

- Developed a distributed system allowing users to borrow computing power from idle devices to perform programming tasks through usage of Web Workers.
- Incorporated an incentivisation model, leveraging the Ethereum Blockchain, allowing users to transact ETH as a reward for programming tasks executed on personal computing devices.

## ACHIEVEMENTS AND EXTRA-CURRICULARS

- Finalist at ACM-ICPC on-site round 2017: Competed with students from top universities in India in a national level competitive coding competition.
- Member of the Software Engineering team at The Marine Robotics Team (TMRT). Led development of navigation system for an Autonomous Underwater Vehicle (AUV).