

Devansh Sanjeev Solanki

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EXPERIENCE

- Starburst Data | Software Engineer Intern | United States** **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 | Cloud Solution Architect | India** **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 utilizing 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 | Frontend Developer | India** **Aug 2020 - Oct 2020**
 - Led a team of developers to create a production application version of a Student Relationship Management software, efficiently automating and handling school management tasks using **React/Redux**, and ensuring cross-browser compatibility.
 - Experience in developing component life cycle architecture, designing interactive React components, and adeptly building systems for tasks such as posting homework, announcements, and schedules. Showcased proficiency in writing asynchronous logic in React using **Redux-Saga**
 - Application was developed to cater to personas namely, super-admin, admin, student, teacher, and parent in a digital school and was adopted by 20 different schools across
- Birthvenue | Software Engineer Intern | India** **May 2019 - May 2020**
 - Created a universal rating platform for all types of cryptocurrencies and tokens available in the market based on financial and non-financial variables to help investors make decisions
 - Fomulated a regularized regression model that takes in variables, determines the rating, and displays them for 1100+ cryptocurrencies on a web-based application built using **React** and **Django**
- Flyrobe | Software Engineer Intern | India** **June 2018 - Aug 2018**
 - Modeled and deployed a hybrid recommendation system to suggest products to customers, resulting in an increase of 20% 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

SKILLS

Programming: Python (Advanced), JavaScript (Advanced), PowerShell, HTML, CSS, C#, SQL, Java, C, C++
Web technologies: React, Node.js, Express.js, Flask, Django, Flask, REST API, Web3
Databases: Postgres, MySQL, MongoDB
Tools: Microsoft Azure, Azure DevOps, AWS EKS, AWS RDS, AWS RDS, Docker, Kubernetes, Helm, Pulumi, Git
Certifications: Azure Administrator Associate, Azure Fundamentals

EDUCATION

- University of California, Irvine** **Sept 2022 - Dec 2023**
Master of Computer Science
Relevant Courses: Computer Security, Machine Learning, Analysis of Algorithms, Data Structures, Distributed Systems *GPA: 3.89*
- K J Somaiya College of Engineering** **Aug 2016 - Oct 2020**
Bachelor of Technology in Computer Engineering
Relevant Courses: Relational Database Management Systems, Artificial Intelligence, Object Oriented Programming *GPA: 3.7*

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%** demonstrated through a custom-built simulation system using **Python and Pygame**
 - 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 React, 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 the usage of Web Workers. Built an interactive user interface utilizing **React** and a robust backend system leveraging **Fast API**
 - Incorporated an incentivisation model, leveraging the Ethereum Blockchain, allowing users to transact ETH as a reward for programming tasks executed on personal computing devices
- Medicyl: Decentralized Health Record Management System | NodeJs, ExpressJs, Solidity, IPFS, Ethereum Blockchain**
 - Built a system focusing on storing patients' EHR securely, thus enabling secure sharing of records with doctors, hospitals, or insurance companies by owner
 - Qualified and extended use-case by being among top 10 finalists at a National Level Project Competition organized by Uday Sahamati, India