

SOORAJ KUMAR

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SUMMARY

With 3+ years in tech, I've grown as a developer and innovator, prioritizing collaboration and understanding user needs. Beyond coding in Python, Java, and cloud tech, I excel in empathy, clear communication, and creativity. Software development is more than a skill for me—it's a tool to make an impact.

SKILLS

Languages: Python, Java, C++, JavaScript, HTML5, TypeScript, CSS | **Databases:** MongoDB, NoSQL, MySQL, Azure SQL | **Frameworks & Libraries:** React, Redux, NodeJS, Angular, Spring Boot | **Cloud Platforms & Services:** AWS (ECS, S3, Lambda, EC2, CloudWatch, CloudFormation), Azure | **UI/UX Technologies:** Figma, Adobe XD, Sketch | **DevOps & Other Technologies:** GitHub, Jenkins | **Project Management & Collaboration:** JIRA, Slack.

EXPERIENCE

Amazon.inc

Software Development Engineer

New York City

July 2022 – July 2023

- Actively contributed to the development and optimization of software solutions within the Marketing and Ads team. These efforts led to a noticeable 10% enhancement in system performance and a marked increase in customer satisfaction levels.
- Collaborated with senior engineers in conducting comprehensive data analysis on large datasets. This collaboration was instrumental in suggesting system architectural improvements, resulting in a 15% boost in overall system performance.
- Played a pivotal role in the team responsible for migrating 3 essential services to the AWS platform. My involvement ensured a smooth transition with zero downtime, maintaining a seamless user experience.

Full Creative

Full Stack Developer

Chennai, India

July 2020 – February 2021

- Took on the responsibility of developing and integrating web features using Java and Python. These features were crucial in elevating user connectivity and providing a more intuitive user experience.
- Collaborated closely with the database team, focusing on creating and optimizing data solutions using MongoDB. This teamwork ensured enhanced system scalability and peak performance.
- Introduced and implemented advanced debugging strategies in collaboration with the QA team. These methodologies were effective in reducing the occurrence of critical bugs by 35% during software release cycles.

EDUCATION

University at Albany, SUNY

Master's in Computer Engineering

Albany, NY

St. Joseph's Institute of Technology

Bachelor's in Electrical and Electronic Engineering

Chennai, India

PROJECTS

Motion Planning with Collision Avoidance | Coppeliasim, Python

February 2022

- Developed an efficient and optimized Python program that communicates with a robot model simulated in Coppeliasim to help it navigate through the shortest path in a map without any obstacle collision.
- Implemented a transformer that identifies regions of the map that includes the potentially best path, and then applies local planner RRT* in the proposed region to generate the final collision-free path.

Human Emotion Detection | Python

September 2021

- Created a Python application that can detect distinctive human emotions using Transfer learning in real-time for various applications.
- Using MobileNetV2 model and then training it specifically with versatile images of human emotions to obtain an accurate detection. The basic architecture was trained using FER-2013 dataset which consisted of black and white images of various human expressions and custom created a dataset and trained the model to improve its accuracy.

AI-Driven Customer Support Chatbot | Python, Tensorflow

January 2020

- Designed an AI-enhanced chatbot in Python for streamlined customer interactions, hosted on AWS via Docker, and coupled with CRM systems through API integration.
- Utilized powerful NLP tools like NLTK and SpaCy in Python for advanced linguistic processing functionalities.

LEADERSHIP EXPERIENCE

Graduate Student Association, UAlbany

Office Manager

Albany, NY

June 2021 – May 2022

- Proactively catered to graduate students' needs, providing tailored solutions to address unique challenges, and ensuring academic and personal well-being.
- Oversaw Web/IT services across multiple campuses, guaranteeing uninterrupted technological services and enhancing the overall student and staff experience.

IEEE Student Branch, SJIT

Secretary

Chennai, India

June 2017 – November 2019

- Orchestrated and directed a range of events, conferences, and meetings, fostering a vibrant IEEE community presence within the institution and enhancing member engagement.
- Played a pivotal role as the chief coordinator for "ELEKTRAKAN", a renowned National Level Symposium at SJIT, Chennai. Managed its end-to-end planning, coordination, and execution, ensuring its success from 2017 to 2019.