

# SOORAJ KUMAR

Weehawken, New Jersey, 07086

+1 (518) – 445 – 5377 | [sooraj.sksiva@gmail.com](mailto:sooraj.sksiva@gmail.com) | [Sooraj.net](http://Sooraj.net) | [Linkedin/Soorajkumar](https://www.linkedin.com/in/soorajkumar) | [Github/Soorajkumar](https://github.com/soorajkumar)

## SUMMARY

Software Engineer with 3+ years of experience building scalable and performant full-stack web applications. Proven track record of delivering high-quality software solutions at Amazon and collaborating effectively with cross-functional teams. Passionate about leveraging cutting-edge technologies to solve complex problems and drive business impact. Seeking opportunities to contribute to innovative projects and grow as a well-rounded engineer.

## SKILLS

**Languages:** Python, Java, C++, Swift, JavaScript, TypeScript, HTML5, CSS, SQL

**Frameworks & Libraries:** React, Django, Node.js, Angular, Spring Boot

**Databases:** MongoDB, MySQL, PostgreSQL, DynamoDB

**Cloud & DevOps:** AWS (EC2, S3, Lambda, ECS), Docker, Kubernetes, Jenkins, GitHub

**Testing & Debugging:** Jest, Selenium, Postman, Appium

**Methodologies:** Agile, Scrum, Kanban, Test-Driven Development (TDD)

## EXPERIENCE

### Amazon.inc

New York City

Software Development Engineer

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

Chennai, India

Full Stack Developer

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

Albany, NY

Master's in Computer Engineering

### St. Joseph's Institute of Technology

Chennai, India

Bachelor's in Electrical and Electronic Engineering

## PROJECTS

### Software Developer Portfolio | HTML5, CSS, Javascript | [Github/sde-portfolio](https://github.com/soorajkumar/sde-portfolio) | [Website Link](https://soorajkumar.com)

2024

- Designed and developed a responsive and visually appealing portfolio website using HTML5, CSS, and JavaScript to showcase my skills, projects, and experience as a software developer.
- Implemented features such as smooth scrolling, interactive navigation, and dynamic content loading to enhance user experience and engagement. Optimized the website for performance and cross-browser compatibility.

### Motion Planning with Collision Avoidance | CppeliaSim, Python | [Github/motion-planning](https://github.com/soorajkumar/motion-planning)

2023

- Developed an efficient and optimized Python program that communicates with a robot model simulated in CppeliaSim 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 | [Github/emotion-recognition](https://github.com/soorajkumar/emotion-recognition)

2022

- 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.

## LEADERSHIP EXPERIENCE

### The Big-O Company

New York City

Founder & CEO

February 2024

- Initiated the foundational concept for a start-up focused on pioneering solutions in marketing and advertising technology, aiming to leverage cutting-edge digital tools to revolutionize brand engagement strategies.
- Currently engaged in the research and planning phase, actively designing the business model and technical requirements to develop an innovative platform that enhances advertising efficacy through targeted tech-driven campaigns.