SOORAJ KUMAR
Software Engineer
Weehawken, NJ - 07086 | sooraj.sksiva@gmail.com | +1 518-445-5377 | linkedin.com/in/ssoorajkumar

PROFESSIONAL SUMMARY

Innovative and detail-oriented Software Engineer with over 3 years of experience in designing, developing, and deploying scalable applications. Skilled in full-stack development, cloud computing, and artificial intelligence, with a strong foundation in data structures and algorithms. Proven ability to lead cross-functional teams, optimize performance, and deliver high-quality solutions in fast-paced environments.

PROFESSIONAL EXPERIENCE

Software Engineer | RootRS | New York | Oct 2023 – Present
- Developed and maintained mobile applications using Flutter and Dart, leading to over 50,000 active users.
- Integrated AI and machine learning features, enhancing task efficiency and processing 20,000 tasks monthly.
- Conducted code reviews and debugging, significantly improving code quality and reducing issues by 15%.
- Led cross-functional teams to define and ship new features, resulting in 10 successful feature releases.

Software Development Engineer | Amazon | New York | Jul 2022 – Jul 2023
- Streamlined advertiser onboarding process, generating $33M in additional revenue.
- Improved campaign management tools, handling 100+ concurrent campaigns efficiently.
- Boosted content recommendation click-through rates with an algorithm that served over 1 million recommendations daily.
- Migrated three critical services to AWS, enhancing system reliability with zero downtime during migration.

EDUCATION

University at Albany | Master's in Computer Engineering | Jan 2021 – May 2022
- Relevant Coursework: AI, Machine Learning, Data Structures and Algorithms, Computer Networks, Data Analysis, Operating Systems.

St. Joseph's Institute of Technology | B.E. in Electrical and Electronics Engineering | Aug 2016 – May 2020

PROJECTS

Software Developer Portfolio | HTML5, CSS, JavaScript | GitHub/sde-portfolio
- Designed and developed a responsive and visually appealing portfolio website 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.

Motion Planning with Collision Avoidance | Python | GitHub/motion-planning
- Developed a Python program for robot navigation in CoppeliaSim, enabling efficient and optimized path planning without collision.
- Implemented a transformer that identifies regions of the map including the potentially best path, applying local planner RRT* in the proposed region.

Human Emotion Recognition | Python | GitHub/emotion-recognition
- Created a model for recognizing human emotions based on facial expressions, leveraging AI techniques.
- Trained the model on FER-2013 and custom datasets, achieving high accuracy in real-time emotion detection.

SKILLS

Programming Languages: Python, Java, C++, JavaScript, TypeScript, Swift, Dart, SQL, HTML5, CSS
Frameworks & Libraries: React, Node.js, Angular, Django, Spring Boot, Flutter, TensorFlow, OpenCV
Databases: MySQL, MongoDB
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, ECS), Docker, Kubernetes, Jenkins, GitHub, CI/CD
Testing & Debugging: Selenium, Postman, JUnit
Tools & Platforms: Git, GitHub, Notion, Visual Studio Code, IntelliJ IDEA, JIRA, Confluence
Methodologies: Agile, Scrum, Kanban, Test-Driven Development (TDD), SDLC
Additional Skills: Data Structures, Algorithms, System Design, Microservices Architecture, RESTful APIs, Machine Learning, AI, Data Analysis

CERTIFICATIONS

- Professional Scrum Master | Project Management Institute
- Notion Essentials Badge | Notion