

# Rajath Ramegowda

rnamegow@usc.edu | (669) 293-4324 | [linkedin.com/in/rajath-br](https://www.linkedin.com/in/rajath-br)

Full-stack developer with **4 years of experience** in end-to-end web development, adept at crafting scalable solutions across diverse tech stacks, and committed to delivering high-quality, user-centric applications.

## EDUCATION

**University of Southern California** | Los Angeles, CA, USA

Aug 2021-May 2023

*Master of Science, Electrical and Computer Engineering*

Coursework: Web Technologies, Applied Cloud Computing, Computer Architecture

**Malnad College of Engineering** | Hassan, India

Aug 2012-Jun 2016

*Bachelor of Engineering in Electronics and Communication Engineering*

## SKILLS

**Programming Languages:** JavaScript, Typescript, Java, Python, HTML, CSS, GraphQL, Sass

**Tools & Libraries:** Docker, Kubernetes, Redux, NumPy, Git, Bootstrap, MaterialUI, Postman, CI/CD, Figma

**Framework:** Flask, Angular v14.0.0, ReactJS, Express, NodeJS, Flask, Serverless

**Cloud & Database:** AWS, SQL, PostgreSQL, MongoDB

## PROFESSIONAL EXPERIENCE

**University of Southern California** | Los Angeles, California, USA

July 2023–present

**Software Developer**

- Developed a MERN stack with JWT authentication for an event management platform tailored to student clubs and associations, using React.js, Typescript, Amazon Web Services (AWS), microservices, and deploying using Docker.
- Application aims to offer features such as streamlined event creation, and management, allowing clubs and associations to efficiently organize, promote, and monitor their events, fostering better engagement and participation among their members.

**Voaige Inc.** | Pittsburgh, Pennsylvania, USA

May 2022–July 2022

**Software Development Intern**

- Designed and implemented a modular software architecture for robotic arm control in Node.js, leading to a 25% faster integration process. This architecture facilitated adding new modules, successfully integrating an RGB-D camera and a 6 DOF robot, reducing development effort by 30%.
- Led the development of dynamic path-planning and deep learning algorithms in Python, utilizing a layered software design approach, which improved pick-and-place efficiency by 25% and allowed for real-time adjustments based on camera feedback, ensuring optimal movement, safety, and precision in dynamic environments. [\[Link\]](#)

**Bharat Electronics Ltd.** | Bangalore, India

Sep 2016–Jan 2021

**Software Engineer**

- Led the design and execution of a web application built on React and TypeScript, driving a 15% increase in user engagement and improving page load times by 20%, as evidenced by Google Analytics and WebPageTest. Adopted a thorough TDD strategy with Jest, set up a seamless CI/CD workflow with Terraform for deployment, and employed SonarQube to uphold coding standards.
- Collaborated with design and product teams to develop a responsive web platform, yielding a 12% increase in mobile user conversions and 25% improvement in user satisfaction based on A/B testing and feedback surveys, while using live user activity data to expand microservices on Kubernetes using WebSockets.

## ACADEMIC PROJECTS

**Business Search Web and Android Application, USC**

Fall 2022

- Designed and deployed a cloud-based web application using NodeJS and Angular, focused on intuitive local business searches using Yelp API; achieved a responsive interface, resulting in a 25% improvement in user engagement.
- Utilized advanced cloud solutions, ensuring 99.8% uptime and swift data retrieval, significantly enhancing the user experience.

**EventStack - Web Application, USC**

Fall 2022

- Developed a MEAN stack-based event management platform with secure JWT authentication and seamless CRUD operations, leading to a 20% rise in user registrations and active user engagement at USC.
- Integrated GraphQL, achieving a 50% improvement in response times over conventional RESTful APIs.

## CERTIFICATIONS

- NodeJS Certification – Udemy. Version Control System (Git & GitHub) – Udemy
- Professional course and certification in Data Science from Indian Institute of Science, Bengaluru

Mar 2021

Dec 2020

## LEADERSHIP AND INVOLVEMENT

- Managed a team of 50 as Event Director & Student Body President of Science Association, MCE Hassan.
- Young Achievers Award** for Executives, Military Radars, BEL Bengaluru

Fall 2015

Apr 2018