Saikarthik Mummadisingu

Jersey City, NJ | smummadi@stevens.edu | (551) 227-1818 | www.linkedin.com/in/Saikarthik-M

Education

Stevens Institute of Technology Hoboken, NJ

Bachelor of Science in Computer Science *December 2025*

Awards: Edwin A. Stevens Scholarship, Presidential Scholarship, Dean's List, Accelerated Master's

GPA: 3.8/4.0

Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Linear Algebra, Systems Programming Multivariable Calculus

Technical Skills

Languages: Java, Python, HTML/CSS, JavaScript, C/C++, Markdown, Scheme/Racket
Tools & Libraries: React, NumPy, Matplotlib, Scikit-Learn, Firebase
DevOps: GitHub, Git

Experience

Undergraduate Researcher May 2023 – August 2023

Stevens Institute of Technology *Hoboken, NJ*

- Developed an experimental online platform leveraging open-source technologies such as JupyterLab and GitHub CoPilot to investigate how generative A.I. tools can impact software engineering practices
- Collaborated with Purdue University's IronHacks team to integrate an A.I. extension into the platform for code completion, debugging, and refactoring
- Successfully hosted platform using JupyterHub and collected research data through Google Firebase

Project Developer June 2022 – August 2022

Mini-Ivy *Jersey City NJ*

- Designed engaging interactive Scratch projects for 20+ elementary school students in Jersey City to teach valuable computer science fundamentals
- Created **7 projects** using Scratch, accompanied with slideshow presentations for each utilizing Markdown

Projects

Billion Oyster Project

- Directed a research project with a team of 5 students to analyze how an oyster's rate of filtration is affected by shell height and habitat temperature
- Utilized the NumPy, Matplotlib, and Scikit-Learn libraries to correctly model correlations between the oysters' shell sizes and habitat temperatures to its ability to filter water
- Presented project as lead speaker to group of panelists for a summer program at Pace University

Daily Blog Site

- Designed a React application that lets users effortlessly create, edit, and delete blogs for daily and personal use
- Incorporated REST API principles to construct a JSON file to manage and store the blogs and its respective data
- Optimized performance of the application to avoid multiple requests to the server making the user experience seamless

SEAS Fitness

- Collaboratively developed a dynamic fitness website with 3 peers that offers personalized nutrition plans, BMI and BMR calculators, and a music recommender feature
- Utilized HTML and CSS to craft a user-friendly website design and implemented JavaScript for the functionality of the BMI and BMR calculators
- Leveraged a Spotify API to enable users to receive music recommendations to their preferred genres

South Asian Food Generator

- Created a South Asian food website using HTML and CSS that randomly generates food items to use on a day-to-day basis for users
- Implemented JavaScript paired with D.O.M. manipulation features to make the interface interactive, letting users select the item quantity amongst different food categories