

MAYANK DEVANGKUMAR TAMAKUWALA

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EDUCATION

Long Beach State University

Bachelor of Computer Science

Long Beach, CA

Expected December 2023

Relevant Coursework: Data Structures, Object-Oriented Programming, Algorithms, Database Fundamentals, Advanced C++, Introduction to Software Engineering, Software Management and Testing, Machine Learning

SKILLS

Programming Languages

Python, JavaScript, Java, C++, C, Swift, Kotlin

Database

MongoDB, PostgreSQL, Amazon DynamoDB, Amazon RDS, JPA, MySQL, JSON, XML

Web Development

WebHooks, Socket.io, NodeJS, ReactJS, RESTful API, HTML, CSS

Frameworks

SwiftUI, React Native, ExpressJS, Django, FastAPI, Bootstrap CSS, Tailwind CSS

Software/Tool

AWS, Matplotlib, Numpy, Scikit-Learn, Pandas, MS Office, JIRA, Visual Studio Code

Certificates

[AWS Cloud Practitioner](#), The Leadership Academy Honors

EXPERIENCE

Karsun Solutions LLC.

Herndon, VA

Software Engineering Intern (Remote)

May 2022 - August 2022

- Developed general-purpose software for an AI/ML project called **Synthetic Data Portal** that creates fictitious Personal Identifiable Information depending on user input into the user interface utilizing **Synthetic Data Vault (SDV)**, **the Faker library**, and the Python programming language.
- Created UI views with the App-Routing feature using React JS and AWS for the web application.
- Utilized Amazon Web Services to help with project development and save production time by **35%** by using **S3** for storage, **Cognito** for authentication, and **Amplify** for UI components.
- Collaborated with a team of 5 and maintain constant communication to finish this project in **5 weeks**.

PROJECTS

Mock'EM

Long Beach, CA

May 2023 - July 2023

- Developed and co-created Mock'EM, an innovative iMessage extension app enabling users to transform their voice or text into captivating deep fake voices and send hilarious and engaging messages to friends through iMessage.
- Employed **SwiftUI** to design the frontend and integrated **Swift** along with the **FakeYou API** for the backend, resulting in a seamless and user-friendly application that offers fantastic deepfake generation capabilities.
- Collaborated with one other person to develop the application within the projected **2-month timeline**, leading to a successful launch and achieving an impressive ranking of **#68** in the App Store's Entertainment category.

CheaperEater

Long Beach, CA

August 2022 - May 2023

- Created a comprehensive price comparison app for popular food delivery services, such as GrubHub, DoorDash, UberEats, and Postmates.
- Utilized **React Native** with **tailwind-rn** for the frontend and **Express JS** for the backend to deliver a seamless and user-friendly application.
- Implemented **reverse engineering** techniques to clone and retrieve data from the targeted food delivery service APIs, ensuring accurate and real-time pricing comparisons.

WordDangler

Long Beach, CA

January 2023 - May 2023

- Contributed to the development of WordDangler, a multiplayer hangman game with real-time messaging, using modern web technologies like **ReactJS**, **DaisyUI**, and **Tailwind CSS** for the frontend, and **Express JS** and **Socket.io** for the backend.
- Collaborated with a team of developers to achieve shared goals and effectively implemented features such as lobby system, real-time messaging, and game mechanics.
- Demonstrated a deep understanding of modern web development principles and practices, including agile development methodologies, testing and debugging, and continuous integration and deployment.