

MAYANK DEVANGKUMAR TAMAKUWALA

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EDUCATION

California State University Long Beach - GPA (3.73/4.0)

Long Beach, CA

Bachelor of Computer Science

Expected December 2023

Relevant Coursework: Data Structures & Algorithm, Machine Learning, Database Fundamentals, OOP, Software Management and Testing, Advanced C++

SKILLS

Programming Languages	Python, JavaScript, Java, C++, C, Swift, Kotlin
Database	Amazon DynamoDB, Amazon RDS, MongoDB, PostgreSQL, JPA, MySQL, JSON, XML
Web Development	ReactJS, NodeJS, WebHooks, Socket.io, RESTful API, HTML, CSS
Frameworks & Libraries	Django, SwiftUI, React Native, ExpressJS, FastAPI, Bootstrap CSS, Tailwind CSS
Software/Tool	Git, GitHub, AWS, Matplotlib, Numpy, Scikit-Learn, Pandas, MS Office, JIRA, VS Code
Certificates	AWS Cloud Practitioner , The Leadership Academy Honors, President's List, Dean's List

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 multiple user interface views utilizing **Synthetic Data Vault (SDV)**, the **Faker** library, **ReactJS**, **AWS**, and the **Python** programming language.
- 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](#)

May 2023 - July 2023

- Co-created Mock'EM, an iMessage extension app using **SwiftUI** and **Swift**, enabling users to send engaging **deepfake messages**. Also, achieved a **#68** ranking in the App Store's Entertainment category within a 2-month timeline.

[WordDangler](#)

January 2023 - May 2023

- Co-developed WordDangler, a multiplayer hangman game with real-time messaging using **ReactJS**, **DaisyUI**, **Tailwind CSS (frontend)**, and **Express JS**, **Socket.io (backend)**, and worked collaboratively on features like **lobby system** and **game mechanics**.

[CheaperEater](#)

August 2022 - May 2023

- Developed a comprehensive food delivery price comparison app for popular services (GrubHub, DoorDash, UberEats, Postmates) using **React Native with tailwind-rn** for the frontend and **Express JS** for the backend, enabling seamless user experience. **Reverse engineering methods** to clone and fetch data from delivery service APIs for accurate, real-time pricing comparisons has been implemented.

[Automobile Price Prediction](#)

March 2023 - May 2023

- Created a sophisticated auto price prediction system employing diverse **ML regression models** like **Gradient Boosting**, **SVR**, **Random Forest**, etc. and normalization methods like **PCA**, and **K-fold validation**. Analyzed results with metrics and visualization like **F1 Score** and **correlation matrix** using **SciKit-Learn** and **Jupyter Notebook**.

[BeachMuse](#)

November 2022 - February 2023

- Developed a collaborative music exploration website for the **2023 BeachHacks hackathon**, featuring a shared queue for adding songs, with reusable front-end components built using **JavaScript**, **ReactJS**, **ExpressJS**, **MaterialUI**, and **Spotify APIs**, while successfully leading a 7-member team to complete the project in 4 months.

[EazMeet](#)

July 2021 - June 2022

- Created a mobile app for Android and iOS that determines optimal meeting places between user-specified and current locations, offering top ten suggestions with customizable filters, and delivering a seamless user experience through **React Native** while utilizing **TomTom's Search and Places API** for reviews and images.