

# MAYANK DEVANGKUMAR TAMAKUWALA

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## EDUCATION

**California State University Long Beach** - GPA (3.75/4.00) **Long Beach, CA**  
*Bachelor of Science in Computer Science* *December 2023*  
**Relevant Coursework:** Data Structures & Algorithm, Machine Learning, Search Engine Technology, Database Fundamentals, OOP, Software Management and Testing, Advanced C++

## SKILLS

<b>Programming Languages</b>	Python, JavaScript, TypeScript, Java, C++, C, Swift, Kotlin
<b>Database</b>	Amazon DynamoDB, Amazon RDS, MongoDB, PostgreSQL, JPA, MySQL, JSON, XML
<b>Web Development</b>	React.js, Node.js, WebSocket, Socket.io, React Query, RESTful API, HTML, CSS
<b>Frameworks &amp; Libraries</b>	Django, Next.js, React Native, Express.js, FastAPI, Bootstrap CSS, Tailwind CSS
<b>Software/Tool</b>	Git, GitHub, CI/CD, AWS, Matplotlib, Numpy, Scikit-Learn, Pandas, MS Office, JIRA
<b>Certificates</b>	<a href="#">AWS Cloud Practitioner</a> , 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.