MAYANK DEVANGKUMAR TAMAKUWALA

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EDUCATION

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

SKILLS

Programming Languages	JavaScript, TypeScript, Python, Java, C++, C, Swift, Kotlin
Database	Amazon DynamoDB, Amazon RDS, MongoDB, PostgreSQL, GraphQL, MySQL, JPA
Web Development	React.js, Node.js, Next.js, HTML, CSS, RESTful API, WebSocket, Socket.io, React Query
Frameworks & Libraries	Jest, Modernizr, Handlebars, Express.js, React Native, Django, FastAPI, Tailwind CSS
Software/Tool	Kubernetes, Postman, Git, GitHub, CI/CD, Pandas, Numpy, Scikit-Learn, AWS, JIRA
Certificates	AWS Cloud Practitioner, The Leadership Academy Honors, President's List, Dean's List

EXPERIENCE

Grossi Consulting LLC   **Raleigh, NC**
Full Stack Developer Intern   *May 2023 - August 2023*

- Faced with the task of creating highly customized websites for a **diverse range of clients and industries** as a Full Stack Developer at a web design agency.
- Led the **development and deployment** of designs to production on **GCP**, ensuring seamless client and team communication, utilized **GitHub** for version control, and used **Jest** for unit testing to ensure code quality.
- Engineered solutions with **Next.js**, **Node.js** and **React.js** for the frontend and **Express.js** and **GraphQL** for backend REST APIs, configured **Cloudflare**, **AWS S3**, **Elastic Load Balancer**, and **Lambda** for scalability, and utilized **Google Tag Manager**, **Google Search Console**, and **Google Analytics** for SEO enhancement.
- Delivered the projects on time, resulting in a **significant** increase in client satisfaction and referrals, and bolstered our agency's reputation for solving complex technical issues.

Karsun Solutions LLC   **Herndon, VA**
Software Engineering Intern (Remote)   *May 2022 - August 2022*

- Aimed to construct synthetic data suitable for a myriad of Machine Learning and Artificial Intelligence Use Cases, a project requiring the generation of fictitious Personal Identifiable Information based on user inputs.
- Employed **React.js** and **Node.js** for frontend development and **Jest**, along with **Lighthouse** for performance and responsiveness testing, reducing potential bottlenecks and ensuring a seamless user experience across various devices.
- Utilized libraries like **Synthetic Data Vault(SDV)** and **the Faker library** in **Python**, integrated with **AWS services (S3, Cognito, Amplify)** to optimize storage and authentication.
- Produced synthetic data with a **high semblance to the authentic data** enabling the client to successfully train the model within a **tight 5-week deadline** and **reducing production time by 35%**.

PROJECTS

FaceFusion   *November 2023 - January 2024*

- Developed FaceFusion with **95% face detection accuracy** using Insightface's **buffalo_l model** and precise fusion with the **inswapper_128.onnx model** using **Python**, featuring a **Gradio UI**, deployed on **HuggingFace spaces** and **AWS EC2 Ubuntu instance** as an API using **FastAPI** with under **100 milliseconds response time**.

WordDangler   *January 2023 - May 2023*

- Co-developed WordDangler, a multiplayer hangman game with real-time messaging using **React.js, DaisyUI, Tailwind CSS (frontend), and MongoDB, Express.js, Socket.io (backend)**, and worked collaboratively on features like **lobby system and game mechanics**. Also, utilized **Jest** for frontend performance and responsiveness unit testing.

CheaperEater   *August 2022 - May 2023*

- Built a food delivery price comparison and aggregator app for services like **GrubHub**, **DoorDash**, **UberEats**, and **Postmates** using **React Native** for the frontend and **Express.js** for the backend. Implemented Reverse Engineering to access delivery service APIs, enabling accurate, real-time pricing comparisons and a seamless user experience.