

AKSHAY PATEL

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TECHNICAL SKILLS

Python, C, C++, JavaScript, Java, Golang, TypeScript, React-Native, MySQL, GraphQL, HTML/CSS
Prompt Engineering, Machine Learning, Docker, GitHub, Xcode, Android Studio, MySQL Workbench
Django, Flask, TensorFlow, AWS, Redis, DynamoDB, SQL, RESTful web services, PostgreSQL

PROFESSIONAL EXPERIENCE

- San Francisco Bay University, Fremont, CA - Teaching Assistant** Feb. 2024 – Present
- Developed course materials and assignments for **Data Modeling** and Implementation Techniques..
 - Delivered live database demonstrations, improving student test scores by **15%** and research on effective classroom assessment techniques.
- e-Infoclips, Gujarat, India - Software Engineer** Nov. 2022 – Aug. 2023
- Implemented distributed systems capable of handling **high traffic** for **IoT** devices and Managed **PostgreSQL** relational databases
 - Resolved **50%** of high-priority app issues within **24 hours**, ensuring **99.9%** uptime.
- Moon Technolabs Pvt. Ltd., Gujarat, India - React-Native Developer** Feb. 2019 – Nov. 2022
- Developed high-performance mobile apps with React-Native, achieving **95%** rating on iOS/Android.
 - Migrated user data from legacy systems to **Firebase**, ensuring **data security** and implementing access controls for user roles.
 - Utilized my expertise in both Android Studio and Xcode to identify and fix **critical bugs**, contributing to a **70%** uptime for apps.
- Virtual Heights Pvt. Ltd., Gujarat, India - Python Engineer Intern** Jul. 2018 – Feb. 2019
- Securely transmitted real-time data from **Raspberry Pi** to the cloud with robust **encryption protocols**, ensuring data integrity.
 - Developed a **fingerprint** access module, **integrating hardware** and Python to deliver innovative **security solutions**.

PROJECTS

- PENTAIR** | RN, Animation, Wi-Fi & Bluetooth service Nov. 2022 - Aug. 2023
- This app provides instructions and the **real-time monitoring** of **IoT devices** used for Effortless pool care at your fingertips.
 - Redesigned module UI, updated code to align with the new React Native, **reduced** app size, and increased user engagement.
- SEEKRZ** | RN, Animation, Firebase, AWS | iOS App | Android App May 2021 - Nov. 2022
- A streetwear fashion platform for buying, selling, and trading new and own luxury sneakers, clothing, accessories from top brands
 - Drove app responsiveness by implementing memory caching and asynchronous data loading, increased user engagement by **20%**.
 - Implemented photo capture feature, storing images locally and uploading them on **S3 bucket**, optimizing app speed by **30%**.
- HEIRLIST** | RN, Animation, Firebase | iOS App | Android App May 2021 - Nov. 2022
- App gathers information about deceased individuals; family members register and answer questions to obtain a report.
 - Engineered a module for seamless transition between online and offline(**local storage**) mode switching, resulting in a **25% boost** in speed.
 - Developed of custom animations and UI components, achieving a **60%** improvement in app smoothness and a **10%** reduction in app size.
- CHALLENGER** | RN, Map, Firebase Sep. 2019 – May 2020
- Developed a sports-centric app featuring intuitive search and **matching algorithms** to connect users and enable friendly challenges.
 - Designed a live countdown feature for matches, real-time timer tracking, **improving** player experience and gameplay **efficiency**.
 - Streamlined player communication and boosted engagement by **30%** by developing chat modules, minimizing reliance on external apps.
- SQLITE - Browse Editor Manager** | RN, SQLite | Android App May 2019 – Jul. 2020
- Implemented a feature allowing offline data management through **local database** creation/import and in-app editing capabilities.
 - Developed a multi-format data export solution (**.csv, .xlsx, etc.**) and report generation capabilities, leveraging DB files for data analysis.
- i-DETECT** | Python, Raspberry-Pi, MySQL Jul. 2018 – Feb. 2019
- Developed a real-time luggage tracking system with **Raspberry Pi** and **Django**, enhancing user experience and security during travel.
 - Increased bag security by **70%** by designing and implementing a fingerprint authentication system using a Raspberry Pi.
 - Architected and built a Django-based website, focusing on user accessibility and facilitating **real-time tracking** across diverse platforms.

EDUCATION

- MS in Computer Science at San Francisco Bay University, Fremont, CA (GPA: 3.99) Aug. 2023 – Jan. 2025
- BS in Information Technology at Gandhinagar Institute of Technology, Gandhinagar, India (GPA: 3.38) May 2015 – Apr. 2019

AWARDS / CERTIFICATES

- "Oracle Cloud Infrastructure 2024 **Generative AI** Certificate" (2024).
- Recognized with "**Megastar of Hybrid Technology**" award twice at Moon Technolabs Pvt. Ltd. (2021/22) for a highly preferment app.
- I was awarded "**Employee of the Month**" at Moon Technolabs Pvt. Ltd. (2019).