

# AKSHAY PATEL

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## TECHNICAL SKILLS

**Languages:** React-Native, Python, JavaScript, Typescript, Java, Django, MySQL, MongoDB, PostgreSQL, GraphQL, C, C++, HTML/CSS  
**Developer Tools:** X-code, Android Studio, MySQL Workbench  
**Technologies/Frameworks:** NPM, Yarn, AWS, Azure, SonarQube, RESTful web services, MERN stack, GitHub, Firebase, Bootstrap

## EXPERIENCE

- San Francisco Bay University, Fremont, CA - Teaching Assistant** Feb. 2024 – Present
- As a TA for the **Data Modeling** and Implementation Techniques, developed course materials, interactive assignments and mock exams.
  - Delivered live Database demonstrations, helping students understand complex database, resulting in a **15%** improvement in test scores.
  - Presented research on effective classroom assessment techniques and skills, and gained valuable insights for improving teaching practice.
- e-Infochips, Gujarat, India - Software Engineer** Nov. 2022 – Aug. 2023
- Implemented Bluetooth and WiFi connectivity to enable remote control communication between mobile devices and IoT devices.
  - Successfully resolved **50%** of high-priority app issues within **24 hours**, ensuring **99.9%** uptime during the integration of new modules.
- Moon Technolabs Pvt. Ltd., Gujarat, India - React-Native Developer** Feb. 2019 – Nov. 2022
- Developed high-performance mobile app with RN, achieving **95%** rating on iOS/Android through platform-specific optimizations.
  - Migration of user data from legacy systems to **Firebase**, ensuring data security while implementing access controls for various user roles.
  - Utilized my expertise in both Android Studio and Xcode to identify and fix **critical bugs**, contributing to a **99.5%** uptime for apps.
  - Overcame technical challenges to integrate custom **animations** built with Reanimated into the app, enhancing user engagement.
- Virtual Heights Pvt. Ltd., Gujarat, India - Python Engineer Intern** Jul. 2018 – Feb. 2019
- Securely transmitted real-time data from **Raspberry Pi** to cloud by implementing robust **encryption protocols**, ensured data integrity.
  - Developed module with **fingerprint access**, leveraging my skills in **hardware integration**, Python to deliver an innovative solution.

## 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 and updated code to align with the new React Native, **Reduced** app size and **increase** in 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%**.
  - Configured **Google Analytics**, to track user behavior and measure performance metrics, resulting in a **15%** increase in average order.
- HEIRLIST | RN, Animation, Firebase | iOS App | Android App** Mar. 2020 – Jun 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.
  - Utilized a secure **deep linking** using Firebase, ensuring user access to others' accounts with distinct roles is granted by main user.
  - 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

- Recognized with "**Megastar of Hybrid Technology**" award twice at Moon Technolabs Pvt. Ltd. (2021/22) for a highly preferment app.
- For consistent dedication to quality and innovation, I was awarded "**Employee of the Month**" at Moon Technolabs Pvt. Ltd. (2019).