

# Kailash Prakash Chivhe

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## WORK EXPERIENCES

### Software Developer, Gallup, Omaha NE

June 2023 – Present

- Spearheaded the development of the Search feature, redesigned the dashboard, and upgraded gradle to improve build times.
- Drove architectural shift from **MVP** to **MVVM**. Migrated 30% of the app to **Jetpack Compose** for improved UI/performance.
- Collaborated closely with the Technical Project Manager, System Analyst, and Team Lead to establish clear project timelines and deliverables. Utilized **JIRA** effectively to manage tasks, track progress, and ensure on-time project completion.

### Graduate Research Assistant, University of North Carolina at Charlotte, NC

June 2022 – May 2023

- Contributed to the development of **VIFI infrastructure** under Dr. William Tolone.
- Constructed server **configuration** and **workflow** test scripts for Cleveland State University and Louisiana State University.
- Initiated migration from **Docker** to **Singularity** and revised installation document as per **Python3** interpreter.

### Software Engineer Intern, Appzly Inc, Charlotte, NC

May 2022 – August 2022

- Architected and implemented a robust MVVM architecture for the Envision and ISN applications, improving code maintainability.
- Composed **JUnit** test cases and used **Android profiler** for analysis and testing.
- Engineered and deployed high-performance **Firebase Cloud Functions** to optimize data synchronization and real-time updates.
- Transformed high-fidelity Figma/Zeplin designs into pixel-perfect native Android applications, meeting stringent UI/UX standards.

### Graduate Teaching Assistant, University of North Carolina at Charlotte, NC

October 2021 – May 2022

- Mentored **40+ students** in technologies such as **HTML**, **CSS**, **jQuery**, **AJAX**, and **Javascript**.
- Facilitated grading of assignments and projects deployed on **AWS S3** and **Heroku** servers.

### Software Engineer, Media Magic Technologies Pvt. Ltd, Pune, India

May 2019 – June 2021

- Implemented and optimized DTS PlayFi multimedia application features, resulting in a **20%** increase in user satisfaction and a **12%** reduction in support tickets related to playback issues.
- Developed and integrated new skins for Philips Sound and Porsche, expanding the application's reach to a wider audience. Successfully implemented **OAuth2** login and integrated third-party libraries for Tidal, Amazon Music, KKBox, and Spotify, enhancing user experience and content accessibility.
- Led cross-functional collaboration between on-shore and off-shore teams to successfully adopt Agile methodologies, resulting in a **15%** increase in development efficiency and a **10%** reduction in time-to-market for new features.
- Independently identified and resolved critical memory leak issues in TuneIn playback, improving application stability and performance by 10%. Successfully addressed TCP/IP socket connection issues, enhancing overall system reliability.

### Software Engineer Intern, Media Magic Technologies Pvt. Ltd, Pune, India

November 2018 – April 2019

- Developed **Android** and **iOS** applications utilizing **Java** and **Swift**.
- Cultivated skills in **Node ESP8266** and **Arduino** to communicate with each other using **IoT** protocols.
- Successfully increased the efficiency of the project by **8%** by resolving **memory** issues.

## TECHNICAL SKILLS

**Languages:** Kotlin, Java, Javascript, Typescript.

**Databases:** Firebase, MySQL, PostgreSQL, MongoDB.

**Technologies/Libraries:** RxJava, RxKotlin, Gradle, Jetpack Compose, LeakCanary, Glide, Retrofit, Dagger, Amazon Web Services(S3, EC2), MediaPlayer, ExoPlayer, GStreamer, Amazon Amplify, Hilt, Firebase Crashlytics & Analytics, Firebase storage, Firebase cloud functions, Jira, Git, Mockito, JUnit, Figma.

## EDUCATION

**The University of North Carolina at Charlotte, Charlotte, NC**

May 2023

Master's of Science, Computer Science, **GPA:** 3.9/4

**Maharashtra Institute of Technology World Peace University, Pune, India**

May 2019

Master's of Science, Computer Science, **GPA:** 3.92/4

**Fergusson College, Pune University, Pune, India**

May 2017

Bachelor's of Science, Computer Science, **GPA:** 3.8/4

## PROJECTS

### Smart Shopping Application

[Android, MongoDB, Express, NodeJS]

- **Designed and developed** an innovative smart shopping application leveraging **BLE beacon** technology to create a seamless in-store shopping experience.
- **Built** a robust **REST API** using **NodeJS** and implemented robust **JWT** token-based authentication for secure user management and data protection. Effectively integrated **Braintree payment gateway** using a sandbox environment for secure and efficient transaction processing.

### BacTrack Application

[Android, Express, NodeJS, MongoDB]

- Created an alcohol consumption test application using the **BacTrackSDK** and **BLE**.
- **Enhanced** user experience by leveraging third-party libraries like **Lottie** and **AnyChart** to create engaging and interactive visualizations of alcohol consumption data, empowering users to track trends and make informed decisions.