

Kailash Prakash Chivhe

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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: 9.79/10	
Fergusson College, Pune University , Pune, India	May 2017
Bachelor's of Science, Computer Science, GPA: 82.58/100	

TECHNICAL SKILLS

Languages: C, C++, Java, Kotlin, Dart, Objective-C, Swift, Javascript, Typescript.

Databases: Firebase, MySQL, PostgreSQL, MongoDB.

Platforms/Designs: Android, Flutter, iOS, NodeJS, MVVM, MVP, MVC, Singleton, Factory, Observer.

Technologies/Libraries: RxJava, RxKotlin, Gradle, Braintree, Android NDK, Twilio, Jetpack Compose, LeakCanary, Glide, Okhttp, Retrofit, Picasso, Dagger, Heroku, Amazon Web Services(S3, EC2), Google Cloud Platform, RESTful(XML/JSON), SVN, Webview, MediaPlayer, ExoPlayer, GStreamer, Amazon Amplify, TCP/IP, UDP, BLE, MQTT, HTTPS, Microsoft Azure, Swagger.

Tools: Firebase Crashlytics, Firebase Analytics, Firebase storage, Bugzilla, Fabric Crashlytics, Docker, Jira, Jenkins, Firebase cloud functions, Git, Appium, Mockito, JUnit, Linux, Figma.

WORK EXPERIENCES

Graduate Research Assistant, University of North Carolina at Charlotte , NC	June 2022 – Present
<ul style="list-style-type: none">- Successfully researched and developed VIFI infrastructure under Dr. William Tolone.- Constructed server configuration and workflow test scripts for Cleveland State University and Louisiana State University.- Performed migration from Docker to Singularity and revised installation document as per Python3 interpreter.	

Software Engineer Intern, Appzly Inc , Charlotte, NC	May 2022 – August 2022
<ul style="list-style-type: none">- Successfully integrated MVVM architecture for the Envision and ISN applications.- Composed JUnit test cases and used Android profiler for analysis and testing.- Developed Firebase cloud functions to update data on the firebase cloud database.- Transformed Figma/Zeplin wireframes to native Android application.	

Graduate Teaching Assistant, University of North Carolina at Charlotte , NC	October 2021 – May 2022
<ul style="list-style-type: none">- Assisted in teaching technologies such as HTML, CSS, jQuery, AJAX, and Javascript to 40+ students per semester.- Graded assignments and projects deployed on AWS S3 and Heroku servers for 40+ students per semester.- Resolved queries of students and other instructional assistants.	

Software Engineer, Media Magic Technologies Pvt. Ltd , Pune, India	May 2019 – June 2021
<ul style="list-style-type: none">- Implemented features for the DTS PlayFi multimedia application, resulting in increased functionality and usability for users.- Added new skins, oAuth2 login, and third-party library support for Philips sound, Porsche skin, Tidal, Amazon Music, KKBox, and Spotify in the application.- Collaborated with on-shore and off-shore teams to successfully implement Agile methodology for feature development.- Fixed memory leak issues in playback by 10% for TuneIn and TCP/IP socket connection issues.	

Software Engineer Intern, Media Magic Technologies Pvt. Ltd , Pune, India	November 2018 – April 2019
<ul style="list-style-type: none">- Developed Android and iOS applications utilizing Java and Swift.- Programmed Node ESP8266 and Arduino to communicate with each other using IoT protocols such as MQTT, Zigbee, and BLE.- Successfully increased the efficiency of the project by 8% by resolving memory issues.	

PROJECTS

<u>Smart Shopping Application</u>	[Android, MongoDB, Express, NodeJS]
<ul style="list-style-type: none">- Designed a smart shopping application to display grocery items as per aisles with the help of BLE beacons for designated sections.- Implemented REST API with JWT token validation using NodeJS for login, registration, and fetching data from the database.- Integrated Braintree payment gateway using a sandbox mechanism for purchasing items added to the cart.	

<u>NinerTrade</u>	[Angular 8, MongoDB, Express, NodeJS]
<ul style="list-style-type: none">- Developed a responsive website to trade cryptocurrencies on campus using HTML and CSS in the Angular 8 framework.- Designed a well-documented RESTful API to perform user authentication using JWT and CRUD operations on MongoDB.- Handled server/client-side validations and tested APIs using the Jasmine test suite.	

<u>BacTrack Application</u>	[Android, Express, NodeJS, MongoDB]
<ul style="list-style-type: none">- Designed an alcohol consumption test application using the BacTrackSDK and BLE.- Implemented REST API with JWT token validation using NodeJS for login, registration, and fetching data from the database.- Used third-party libraries such as Lottie and AnyChart to enhance the UI.	

<u>BMI Calculator</u>	[iOS, Swift, Storyboard]
<ul style="list-style-type: none">- Developed an iOS application to calculate the BMI of a person.- Used Storyboard for designing the UI.	