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, JSP, Kotlin, Dart, Typescript, Javascript, HTML, CSS, Python, PHP.
Databases: Firebase, MySQL, PostgreSQL, Room database, MongoDB.
Technologies: Hibernate, Struts, Spring, Servlets, NodeJS, Android, Angular 8, Apache, Git, TCP/IP, UDP, MQTT, HTTPS, SOAP, Restful API, Docker, Firebase cloud functions, Jenkins, Jira, Amazon Web Services (S3, EC2, Amplify), Heroku, Braintree, Socket Programming, Appium, Linux, Maven, Gradle, Test-driven development, JUnit, AngularJS, Maven, JSON, Tomcat, Azure, Swagger.
Certifications: Applied Machine Learning in Python (University of Michigan, Coursera), Reactive Angular RxJs (Udemy), M.E.A.N stack (Udemy), M100: MongoDB for SQL Pros.

WORK EXPERIENCES

Software Developer, Gallup, Omaha NE — **June 2023 – Present**
- **Integrated** Search feature, migrated gradle upgrade, and refactored the **Gallup Access** application to **MVVM** architecture.
- **Collaborated** with the Technical Project Manager (TPM), SA, and Team Lead to set task and project timelines.
- Used JIRA for managing and tracking project tasks, issues, and bugs.

Graduate Research Assistant, University of North Carolina at Charlotte, NC — **June 2022 – May 2023**
- 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**
- 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**
- 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**
- 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**
- 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

Personalite — **[Java, Hibernate, JSP, MySQL, Spring, Bootstrap, HTML]**
- Developed a responsive website to depict employees' personalities for employment purposes based on the **NEO-FFI test**.
- Used **CRUD** operations using **Hibernate** framework on **MySQL** database, and designed website using **MVC** architecture.
- Added logging support using **log4J** for debugging and error logs.

NinerTrade — **[Angular 8, MongoDB, Express, NodeJS]**
- 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.

Sentiment Analysis — **[Java, PostgreSQL, JDBC, Java AWT]**
- Designed an application to perform **sentiment Analysis** on a given sentence for **happy**, **sad**, and **angry** emotions.
- Prototype application for patients who are advised to read specific news post operations.