

Sushanth Grandhi

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Accomplished Android Developer with extensive experience in developing, optimizing, and maintaining robust mobile applications using Kotlin and Java. Proficient in modern UI/UX practices, Jetpack components, and Android SDK, with a strong background in enhancing user experience and building cross-functional solutions in fast-paced environments.

INDUSTRY EXPERIENCE

Information Technology Specialist, NYS Office of Information Technology Services, Albany, NY

June 2024 – Present

- Managing NY statewide benefits data on Oracle databases, utilizing SQL and scripting to streamline data operations and enhance dashboard functionalities for agent use in public assistance.

Research Assistant - App Developer, The Research Foundation for SUNY, Buffalo, NY

July 2023 – Jan 2024

- Employed rigorous design principles and separation of concerns in developing mobile applications, ensuring scalability and maintainability while enhancing user engagement through modernized UI/UX designs.
- Implemented and managed UI testing frameworks to conduct comprehensive performance tests and optimizations, significantly boosting application reliability and user experience.
- Collaborated with cross-functional teams to integrate machine learning algorithms using GraphQL and Restful APIs, achieving seamless data synchronization and interaction across mobile platforms.

Software Intern, Diya Research Inc, Milpitas, CA

June 2023 - Aug 2023

- Mentored high-school students in a Programming BootCamp, focusing on data structures and foundational coding principles, enhancing their technical proficiency and problem-solving skills while fostering a collaborative learning environment.

Research Assistant - App Developer, UB, Buffalo, NY

Oct 2022 – May 2023

- Engineered a cross-platform mobile application using Kotlin Multiplatform (KMM) and Jetpack Compose, focusing on unified UI frameworks and standard user interaction effects, enhancing user engagement by 40%.
- Managed project lifecycle using Agile methodologies, ensuring adherence to best practices in code quality and UI/UX design.

Software Development Engineer - Android, Samsung Research Institute, Noida, India

Jan 2020 – June 2022

- Spearheaded the transformation of Samsung's native application codebases from Java to Kotlin, integrating advanced Android SDK components including Jetpack, Room, LiveData, and Navigation to enhance app performance and user experience.
- Reduced bug incidence by 25% and improved system responsiveness.
- Developed and maintained Samsung WearOS clock applications utilizing MVVM architecture, focusing on performance optimization and user interface improvements.
- Led UI/UX enhancements for mobile applications, incorporating motion layouts, transitions, and animations to enrich user interactions.

SKILLS

Programming: Swift, Python, Kotlin, Java, C/C++, C#, JavaScript, React, Node, HTML5, CSS, XML, R, AJAX, JSON, SQL.

Android Development: Android SDK, iOS SDK, Android Studio, XCode, Gradle, Firebase, RESTful APIs, Jetpack, RealmDB, JUnit, RxJava/RxKotlin, Material Design, Gradle, Version Catalog, Convention Plugins, Kotlin Flows, Ktor, KMM, SQLDelight.

Tools/Competencies: Git version control, JIRA, UNIX, Ubuntu, Continuous Integration/Continuous Deployment (CI/CD), Debugging and Troubleshooting, Collaboration, Reactive Programming, Multi-modular architecture.

PROJECTS

[Retrieval Augmented Generation Chatbot](#)

Stack: Python, Javascript, React, Flask, GCP, Solr

- Chatbot for conversational and literary content with GPT models, enhanced by React and Flask for a rich user experience.

[US Accident Rate Analysis data product](#)

Stack: Python, d3.js, Flask, Javascript, TensorFlow, Scikit-learn

- Full-stack product with interactive visualizations, embedding prediction functionality powered by machine/deep learning models.

[Neural Machine Translation](#)

Stack: Python, Javascript, Flask, PyTorch, Tokenizer, NLP

- Enhanced translation accuracy with Marian MT, T5, and custom Seq2Seq models improving BLEU score on the WMT 2022 dataset.

EDUCATION

Master's of Computer Science, University at Buffalo - The State University of New York

Jan 2024

Bachelor's in Information Technology, National Institute of Technology Patna

May 2020