SURABHI JAGADEESH

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EDUCATION

Master of Science in Computer Science, **GPA: 4.0** | University of North Carolina at Charlotte — **Aug 2022 – Dec 2023**
Coursework: Algorithms and Data Structures, Database Systems, Android app development, Network-Based Development, Machine Learning

Bachelor of Engineering in Computer Science | Global Academy of Technology — **Aug 2017 – Aug 2021**
Coursework: Web development, Java & Python programming, Software Engineering, Object-oriented programming, Algorithm analysis

WORK EXPERIENCE

Digital Technology Junior Analyst | NTT DATA — **Sept 2021 – Jul 2022**
Skills: Salesforce, JavaScript, Java, Apex, Visualforce, Lightning Web Component, Jira, SOQL, VS Code, Agile
- Successfully completed salesforce development training and attained **Salesforce platform developer I certification**
- Reduced **25% turn-around-time** in the order entry process by crafting **Apex code** for custom business logic
- Developed **Visualforce** pages, resulting in a **20% increase** in compliance for user interface personalization
- Improved user experiences by seamlessly integrating **Lightning components**, enhancing functionality in **Salesforce applications**
- Strengthened **data security** with sharing rules, profiles, and permissions, resulting in a 25% drop in unauthorized access.
- Collaborated with administrators, architects, and cross-functional teams, engaging in the **full software development lifecycle**
- Utilized **Jira** for efficient project coordination, leading to a **25%** reduction in deadlocks during the development lifecycle

INTERNSHIPS

Android Developer Intern | Tequed Lab Company — **Jan 2020 – Feb 2020**
- Engineered an attendance app with **Kotlin**, integrating **Room** and **LiveData** for robust data storage and real-time UI updates
- Boosted app efficiency by integrating Kotlin coroutines, cutting down asynchronous task time by 30%
- Enabled secure login with a 99% accuracy rate using Google's ML Kit for face recognition, alongside **Retrofit** for network call

Technical Intern | Movie Qu — **Nov 2020 – Jan 2021**
- Spearheaded the implementation of **AWS** solutions at Movie Qu, optimizing data workflows by **20%** through hands-on experience in **Lambda** function development and **S3** bucket configuration
- Contributed to **ETL migration** from on-premises databases to **AWS**, achieving a **25%** reduction in processing time

ASSISTANTSHIPS

Graduate Assistant | UNC Charlotte — **April 2023 – Dec 2023**
- Assisted and Delivered a **Algorithms and Data Structures** curriculum with a strong focus on complexity analysis and practical coding exercises, resulting in a 25% uplift in student engagement
- Provided targeted tutoring to over 70 students, sharpening their skills in **algorithm design** and data structures, enhancing course proficiency

TECHNICAL SKILLS

- **Programming Languages:** Kotlin, Java, SQL, Python, JavaScript, Apex
- **Web Development:** HTML, CSS, React.JS, Node.JS, Bootstrap, REST API, SOAP API, Firebase, MongoDB, MySQL, XML, Express.js Spring Boot, AngularJS
- **Mobile Application Development:** MVC/MVVM, Jetpack Compose, Retrofit, Dagger Hilt, Room, OkHTTP, Google Analytics, Picasso, LiveData, Coroutines, SQLite, Junit testing, Glide, data binding
- **Other Tools and Services:** Docker, Kubernetes, GitHub, Postman, Android Studio, AWS, GIT, Gitlab, Eclipse

PROJECTS

Instant-message Mobile Application
Technologies/Tools: Android Studio, Firebase, GitHub, Kotlin, MVVM architecture, Google authentication
- Firebase Authentication in **Kotlin**, enhancing user verification and enabling real-time status updates with a 99% reliability rate
- Optimized real-time messaging with Kotlin **coroutines**, achieving 20% faster delivery
- Structured Firebase data storage with Kotlin serialization, optimizing chat document handling and boosting retrieval efficiency by 25%

Weather Forecast Android Application
Technologies/Tools: Kotlin, Android Studio, REST API, Dagger-Hilt, Recycler View
- Crafted a Weather Forecast Android app in **Kotlin**, integrating **Retrofit** for RESTful API communication, achieving a 90% accuracy in real- time weather updates
- Boosted user retention by 30% using **Recycler View** for navigation and **Dagger-Hilt** for dependency injection in a Kotlin-driven UI

Jewelry Trading Web Application
Technologies/Tool: Express.js, MVC clean architecture ReactJS, CSS, Bootstrap, NodeJS, JavaScript, MongoDB GitHub
- Crafted a **ReactJS** and Bootstrap interface, enhancing user engagement by 30% with intuitive design and **responsive** navigation
- Elevated performance by engineering RESTful APIs with Node.js and Express.js, boosting responsiveness by 30% and doubling scalability
- Enhanced **MongoDB** efficiency with **indexing** and aggregation, cutting query times by 40% and speeding up the trading functionality

Fintrak
Technologies/Tool: Express.js, MVC clean architecture HTML, CSS, Bootstrap, NodeJS, JavaScript, MongoDB GitHub
- Built a personal Expense tracker application leveraging HTML, CSS, Bootstrap for a user-friendly frontend
- Implemented backend with **MVC** architecture, **Node.js**, **Express.js** and **MongoDB**, resulting 30% acceleration in processing speed