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: Data Structures and Algorithms, Database Systems, Android app development, Network-Based Development, Machine Learning

Bachelor of Technology in Information Science | Global Academy of Technology **Aug 2017 – Aug 2021**
Coursework: Web development, Java 8 & 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**
Skills: Android application development, Java, Android SDK, SQLite, Technology training
- Led Android app development, leveraging **Java**, **Android SDK**, and **SQLite** to automate attendance tracking for 300+ users
- Demonstrated advanced **UI/UX** proficiency, driving a **15%** improvement in user engagement metrics

Technical Intern | Movie Qu **Nov 2020 – Jan 2021**
Skills: Python, Selenium, Web Scrapping
- Executed web scraping using **Python** and **Selenium** to harvest data from over **500** Hollywood movies
- Leveraged acquired data to development **iOS app** for ticket purchases, resulting in a **20%** boost in user satisfaction

ASSISTANTSHIPS

Graduate Assistant | UNC Charlotte **April 2023 – Dec 2023**
Skills: Data Structure, Algorithms, Python, Machine Learning, Communication, Course structuring, Planning
- Contributed to course design and delivery, achieving a 25% rise in **student engagement**
- Conducted personalized tutoring during weekly office hours for **70+ students**, yielding a **30% increase** in course retention

TECHNICAL SKILLS

- **Programming Languages:** Java, SQL, Python, NOSQL, Kotlin, JavaScript, Apex
- **Front-end Development:** HTML, CSS, React.JS, Node.JS, Bootstrap
- **Back-end & Databases:** Spring Boot, REST API, SOAP API, Firebase, MongoDB, MySQL, XML
- **Android:** MVVM, Jetpack Compose, Retrofit, Dagger Hilt, Room, OkHTTP, Google Analytics, Picasso
- **Other Tools and Services:** Docker, GitHub, Postman, Android Studio

PROJECTS

Instant-message Mobile Application (GitHub/Surabhijj/messaging-app)
Technologies/Tools used: Android Studio, Java 8, Firebase, GitHub
- Created a Live chat application, integrating **Google Authentication** and leveraging **Firebase** Storage
- Successfully executed RESTful API calls within an Async Task, achieving a notable **20%** increase in data retrieval speed and optimized **data processing** by 25% through advanced **JSON** parsing techniques

Fintrak (GitHub/surabhijj/fintrack)
Technologies/Tools used: HTML, CSS, Bootstrap, NodeJS, JavaScript, MongoDB GitHub
- Developed a personal Expense tracker application leveraging **HTML**, CSS, Bootstrap for a user-friendly frontend
- Implemented backend with MVC architecture, **Node.js**, and **MongoDB**, resulting in a 30% acceleration in processing speed

Jewelry Trading Website (GitHub/surabhijj/Jewelry-Trading-Website)
Technologies/Tools used: ReactJS, NodeJS, MongoDB
- Crafted a responsive and modular frontend architecture, implementing **React.js** for a **20% boost** in **performance**
- Engineered a robust backend infrastructure utilizing **NodeJS**, ensuring efficient data processing and Seamlessly integrated **MongoDB** for data storage and retrieval

Diabetic Retinopathy Detection using Deep learning (GitHub/surabhijj/fintrack)
Technologies/Tools used: Python, Jupyter, Image Processing, Transfer Learning, GitHub, Flask
- Created a model to automatically detect the degree of retinal damage using the pre-trained **neural network** with **93%** accuracy
- Applied **image processing** techniques such as Gaussian Blur, Circle crop, and deep learning techniques such as **Transfer learning** and Efficient Net, resulting in a remarkable **25%** improvement in the speed of generating diagnostic reports