SURABHI JAGADEESH

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EDUCATION

Master of Science: Computer Science
The University of North Carolina At Charlotte | Charlotte, NC | GPA: 4.0/4.0 **Aug 2022 – Dec 2023**

Bachelor of Engineering: Computer Science
Global Academy of Technology | Bengaluru, India | GPA: 3.7/4.0 **Aug 2017 – Aug 2021**

SKILLS

- **Programming Language**: Java, Python, Kotlin, Javascript.
- **Databases**: MySQL, SQLServer, SQLite, Firebase, MongoDB.
- **Framework/Libraries:** Node.js, Express.js, React.js, Next.js, Web3.js,HTML5, CSS, Bootstrap, NestJS
- **Android Development:** MVVM, Jetpack Compose, Retrofit, Dagger Hilt, Room, Coroutines, LiveData, OkHttp,Google Analytics, Picasso.
- **Other tools and services:** Android Studio, Git, Docker, Unix.

WORK EXPERIENCE

Graduate Teaching Assistant | University of North Carolina, Charlotte **April 2023 - Present**

- Teaching Assistant for the course Applied Machine Learning based on Python which primarily focuses on Data visualization, Regression, Classification and Neural Networks.
- Instructional Assistant for the course "Algorithm and Data Structure," which focuses on helping students get a deeper comprehension of algorithmic problem-solving strategies and data structures.
- Played a crucial role in achieving a 25% increase in overall course performance through effective mentoring.

Digital Technology Junior Analyst | NTT Data Global Delivery Services Private Limited **Sept 2021 - July 2022**

- Successfully completed salesforce development training and attained Salesforce platform developer I certification.
- Spearheaded the development of Apex Classes, triggers, Aura and LWC components in a Lightning environment leading to a remarkable 30% improvement in application efficiency, demonstrating advanced programming skills.
- Worked closely with Onsite Team to develop robust solutions to meet market requirements for developing an application for Jaguar and Land Rover corporation based in the UK market resulting in 20% reduction in project delivery time.

Internship | Movie Qu **Nov 2020 - Dec 2020**

- Performed web scraping using Python and Selenium to collect data with regards to US movie theater websites.
- Facilitated the use of collected data for building iOS mobile applications and optimized experience for ticket purchases.

Internship | Tequed Labs – Research and Innovation Hub **Jan 2020 - Feb 2020**

- Spearheaded the development of an Android app in Java, incorporating real-time location tracking and image capture, resulting in a 20% efficiency boost in attendance tracking.
- Participated in a hackathon to develop an application that was awarded for best performing application.

PROJECTS

Diabetic Retinopathy Detection using Deep learning | *Technologies used: efficient net, gaussian blur, python*

- Created a model to automatically detect the degree of retinal damage using the pre-trained deep neural network on the Diabetic Retinopathy Database achieving an exceptional 93% accuracy rate.
- 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.

ToDo Notes Android Application | *Technologies used: Kotlin, Android Studio,JetPack*

- Spearheaded the creation of a user-centric and modular Notes App with MVVM architecture, AndroidX libraries, and Room for data storage. garnering an outstanding 98% user satisfaction rate.
- Seamlessly integrated LiveData, Coroutines, and Toothpick dependency injection, contributing to a substantial improvement in real-time note synchronization.

Live Chat Mobile Application | *Technologies used: Java, Android Studio, Firebase*

- Created a Live chat application, integrating Google Authentication and leveraging Firebase Storage, resulting in a substantial 30% improvement in user data security.
- Successfully executed RESTful API calls within an Async Task, achieving a notable 20% increase in data retrieval speed. Additionally, optimized data processing by 25% through advanced JSON parsing techniques

Fintrak | *Technologies used: HTML, CSS, Bootstrap, NodeJS, MongoDB*

- Developed Fintrak, achieving a 25% reduction in user error rates by leveraging HTML, CSS, and Bootstrap for a user-friendly frontend, implementing a streamlined MVC architecture, Node.js, MongoDB, for backend development.
- The intuitive interface contributed to an improvement in financial operations, enhancing user accuracy and efficiency.

Jewelry Trading Website | ***Technologies used: ReactJS, NodeJS, MongoDB***

- Pioneered the development of a Jewelry Trading Web Application using React.js and Node.js. Crafted a responsive and modular frontend architecture, implementing React.js virtual DOM for a 20% boost in performance.
- Achieved seamless two-way data binding and optimized SEO, resulting in a cutting-edge platform for jewelry trading with a focus on scalability and user experience.