


Aditya Malode

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Skills

- **Programming Languages**- Java | C++ | JavaScript | Typescript | Kotlin | Python
- **Database Technologies** – SQLite | SQL | Firebase Firestone | Room | MongoDB
- **Frameworks & Libraries** – Android Jetpack | React | Flutter | Retrofit | Pandas | NumPy
- **Software & Tools** – Android Studio | VScode | IntelliJ Idea | Eclipse | Git | GitHub | Gradle | Jenkins | Junit |ADB | AWS | Azure
- Cloud Computing | CI/CD | XUnit | Jest | Cucumber | Nightwatch | Unit Testing | Lambda | OOP Microservices | Distributed Systems | Frontend | Backend | Full-Stack | Office Suite | Windows | Linux | Unix | MacOS | Excel | WordPress | Google Cloud |

Experience

Software Engineer Intern

GrunTech Solutions

Nashik, MH, India

06/2023 - 08/2023

- Served as core Java developer in a 5-person team, developing CRM software resulted in a 20% improvement in operational efficiency and a 25% increase in user engagement, utilizing **Java OOP**, **Agile methodologies**, and **UI improvements** helped on client and vendor side.
- Utilized Scrum in Agile project management, engaging with clients for requirements, streamlining timelines, and team coordination
- Implemented **AWS** for cloud deployments and **Selenium** for automated testing, overhauling software quality and speeding up release cycles leveraged distributed servers for more data privacy and rigidity and hashing data over remote servers.
- Carried **Continuous Integration/Deployment Pipeline Integration**, pull requests, code reviews, load/stress testing

Machine Learning Summer Intern

Technophilia Pvt. Ltd

Noida, India

06/2021 - 08/2021

- Developed planned development of UI with **React.js** and cleaned data with **Python Pandas**, resulting user interface responsiveness up by 30% and data accuracy for machine learning projects by 40%, analyzed various **Kaggle datasets** and public records for more data cleaning accuracy
- Augmented data manipulation proficiency with **Pandas** and **NumPy**, integrating **SQL** databases for efficient data retrieval and focusing on advanced data cleaning and preprocessing techniques to ensure data integrity and reliability
- Optimized data manipulation workflows using Pandas and NumPy, achieving a 50% increase in efficiency for data cleaning and preprocessing tasks by implementing **automated testing** and **validation frameworks**, ensuring data quality and enabling faster, more accurate machine learning model training.

Education

Master of Science in Computer Science

University of Georgia

Athens, GA, USA

08/2023 - Present

- **GPA 3.8/4.0** Relevant Coursework- Software Engineering, Database Management Systems, Distributed Systems, Data Structures & Algorithms, Computer Network

Bachelor of Engineering

University of Pune

Nashik, MH, India

06/2018- 8/2022

- Major in Electrical Engineering **GPA 9.18/10**

Projects

Mindbridge- Android app for Autism

05/2024 - Present

- Spearheading the development, an Android app enhancing cognitive support for individuals with ASD
- Utilizing **Jetpack**, **Android Studio**, and **Firebase** for personalized exercises, communication tools, and sensory management features.
- Collaborating with autism specialists and end-users to ensure the app meets unique needs and preferences
- Employing **Material Design**, **Firebase Realtime Database** for data synchronization, and **Kotlin Coroutines** with **Retrofit** for scalable microservices architecture

UGAMovie Ticket Booking Website

08/2023 - 12/2023

- Led development of as **product owner**, handling **JavaScript**, **CSS**, and **HTML**, for data security used hashing and **TLS Protocol**
- Crafted an intuitive **React.js** interface, validated with **Jira testing**, increasing user satisfaction by 20% and engagement by 45%.
- Managed delivery and deployment of the platform, improving speed by 30% and efficiency by 25% using Docker and Kubernetes. Ensured security and data privacy with encrypted data over distributed servers

Asynchronous Multicast System

03/2024 - 04/2024

- Developed a Java-based multicast system using **TCP** and **OOP** principles, boosting network performance by 35% with socket programming. Configured on an Odin **Linux server**, established persistent message storage, and created **multi-threaded interfaces**.
- Integrated Jenkins CI/CD, reducing build and deployment times by 40% and bug rates by 30%

Mentorship & Assistantship

- **Laboratory Assistant**- KK Wagh IBM laboratory assistant | System Setup | Troubleshooting | Student Assistance
- **C & C++ Language Tutor**: Programming | Data Structure and Algorithms
- **UGA Auxiliary Services Student Assistant**: Dining Hall Assistance | Inventory Management | Worker Coordination