

# MANODNYA MOHAN GAIKWAD

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## WORK EXPERIENCE

### Software Development Engineer

*CrowdDoing*

July 2024 - Present

*Remote, USA*

- Engineered a progress tracking system in **React Native**, **boosting user engagement by 30%** by introducing 20+ badges, achievements, and a rewards system to support mental health, in collaboration with the UX design team.
- Architected relational database schemas in **Microsoft SQL Server** to efficiently manage user data and progress workflows, enhancing query performance and data integrity.
- Visualized user progress data using **VictoryChart** library fetched through a **Python FastAPI** endpoint.

### Software Engineering Intern

*Intradiem*

June 2023 - August 2023

*Remote, USA*

- Researched and implemented graceful **Java Spring Boot** shutdown strategies for the ML ingestion microservices to terminate after a single iteration, leading to a **reduction in test time by a staggering 89%**.
- Collaborated in developing a Data Ingestion microservice using **Java** and **Spring Batch** to migrate data from **HDFS** to **Apache Iceberg** and **AWS S3**, improving migration efficiency by **40%**.
- Designed **SQL** queries to calculate employee burnout metrics and embedded the results into **Apache Superset** dashboards, processing **100k data points daily** to provide call center managers with real-time insights into burnout trends.

### Software Developer

*Auxiliary Services, CSU Fullerton*

December 2022 - February 2024

*Fullerton, CA*

- Worked on the development of merchandise website using **React** and **TypeScript**, delivering a responsive user experience.
- Used **Flexbox** and **CSS Grid** to enhance scalability and dynamic content updates, increasing page interaction by 20%.
- Enhanced a **PostgreSQL** database for user data storage and retrieval, ensuring seamless transaction processing.

### Associate Software Engineer

*Globant*

December 2020 - May 2022

*Pune, India*

- Developed custom applications to integrate multiple ServiceNow instances using **REST APIs** and **SOAP APIs**, facilitating communication and data synchronization across platforms, **improving incident resolution times by 15%**.
- Leveraged **JavaScript**, **AngularJS**, and **jQuery** for frontend customizations on features including Flow Designers, Catalog Items, Service Portals, and the Automated Test Frameworks for client's Creative Services team.
- Integrated **SAP Ariba** with procurement systems, streamlining the supply chain process and enhancing visibility into procurement activities, reducing the order processing time using Ariba Procurement API.

## PROJECTS

### Food Recognition and Nutrition Analysis

- Trained a DL model with **TensorFlow** and **EfficientNetB0** for food image recognition achieving **87%** accuracy, and integrated Edamam Food API into a **Flutter app** to provide real-time nutritional information of recognized food item.

### Taaskit Platform

- Developed a web application using **React+Vite**, **JavaScript** leveraging Firebase **Firestore** for secure user authentication with **OAuth 2.0** and real-time data storage for task management and seamless synchronization.

### SecureNote Application

- Implemented **JWT** authentication in **Spring Boot** for secure user login, session handling, and role-based access control, while developing **REST APIs** for note management with **MongoDB** storage.

### LLM-Driven Story Creator

- Created an **LLM-powered** Interactive Story Generator using **Gemini API**(gemini-1.5-flash) with **Flask** and **React**, enabling personalized narratives with features like genre selection, story continuation, and user-defined plot twists.

## EDUCATION

### California State University, Fullerton, USA

Master of Science in Computer Science

August 2022 - May 2024

GPA: 3.6/4.0

**Coursework:** Advanced Database Management, System and Software Standards, Advanced Data Structures & Algorithms, Cloud Computing, Advanced Software Process, Algorithm Design and Architecture, Advanced Blockchain, Web Development

## SKILLS

### Programming Languages

Java, Python, TypeScript, HTML, CSS, JavaScript, SQL, C++, Dart, Golang, R

### Databases & Cloud Services

MySQL, PostgreSQL, MongoDB, Firebase, Microsoft SQL, AWS DynamoDB, NoSQL

### Frameworks

Spring Boot, NodeJS, ReactJS, FastAPI, Bootstrap, Django, Flask, ExpressJS

### Tools & Technologies

Git, Android, Jest, Npm, Docker, Jenkins, Azure, AWS, Jira, JUnit, Unix