

# JAY FANSE

[Linkedin](#) | [CodeChef](#) | [LeetCode](#) | [Github](#)  
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DOB : 29/11/2003

## EDUCATION

• **B.E. in Computer Science & Engineering**  
The Maharaja Sayajirao University, Baroda

2021 – Pursuing  
**81.11%**

## PROJECTS

### Expensia [ [GitHub](#) • [Live](#) ]

**Tech Stack:** MongoDB • Express • ReactJS • NodeJS • JWT • Graph Theory

- Helps to keep **track and manage group expenses** and **monitor debts** among group members.
- **Simplifies settle ups** by minimizing the number of internal transactions using a **graph-based algorithm**.

### MineSweeper - Game [ [GitHub](#) ]

**TechStack:** Java • Swing GUI • File Handling • Depth-First-Search Algorithm

- A fun to play **logic based puzzle** game.
- **Depth-first search algorithm** is used to explore new blocks.
- High Scores of players are maintained using the **File Handling System** of Java.

### Booki – AI Redefines Reading

**Tech Stack:** Java • Firebase • Python • OpenAI API • RAG • Android

- An **AI-integrated book marketplace** that provides an immersive experience to readers.
- Developed features such as **infinite snippet generation**, **booki.ai** and **EPUB parsing**.
- Used **OpenAI's GPT-3.5** for snippet generation, **GPT-4.0** for fine-tuning booki.ai, and **Retrieval-Augmented Generation (RAG)** for data retrieval from vector databases.

### DineLink [ [GitHub](#) ]

**TechStack:** Java • Spring Boot • Rest API • MySQL • Android

- A food ordering app where customer can order food in a restaurant by scanning the QR code.
- Used **Java's Socket programming** to update the order queue in real-time in restaurant.
- **Google sign-in API** for authentication, **Hibernate** for database interaction, **Rest API** for data transfer.

## SKILLS

- **Languages** : C, Java, Javascript
- **Database** : MySQL, MongoDB, Firebase
- **Frontend** : HTML, CSS, ReactJS
- **Backend** : JavaScript, NodeJS, SpringBoot
- **Tools** : Git/Github, Postman

## ACHIEVEMENTS

- [CodeChef Starters 58](#): – **Global Rank 44**.
- [CodeChef](#) – Highest rating **1600+**
- [LeetCode](#) – **400+** Problems
- Winner of **Runtime**, Footprints '24, MSU
- Winner of **Webtech**, Footprints '24, MSU
- **Incubator 4.0** Winner, MSU VISION 2020

## ACTIVITIES & CERTIFICATIONS

- **Coordinator** and **Contest setter**, CodeVimarsh, MSU
- **Contributor** in **CodeVimarsh Website**
- **Google Cloud Digital Leader** Certification
- **AWS Fundamentals Workshop**