

# ANMOL WASSAN

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## SKILLS

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- **Programming Languages** :- Java, C++, JavaScript, Typescript
- **Web Development** :- Node.js, REST APIs, React, Next.JS, Express.JS, HTML, CSS, MySQL

## EXPERIENCE

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### SOFTWARE DEVELOPMENT ENGINEER INTERN

Jan 2023 - June 2023

AMAZON

*Bangalore, India*

Interned at **TFS Transportation Financial Systems** team which is responsible for allocation cost of transportation to individual items. **Key Technologies** : **Java, AWS S3, AWS Step Functions, AWS CDK, Junit.**

- Implemented a new Java package from scratch to perform **Integration Testing** of AWS Step Function based EMR services. Added a new stage and dependent AWS resource in service pipeline using AWS CDK (infrastructure as code)
- Wrote package in Java to trigger Step Function on every code merge and perform assertions of various business usecases flows. Implemented generic interface and required classes to read/write data from AWS S3 in multiple format like parquet, json etc.
- Worked on providing cross AWS account IAM access to Redshift. Used SOLID design principles and design patterns like Factory, Singleton, Builder during Implementation. Added Unit Test Cases to improve the Coverage from **92.46% to 96.33%**

### FRONTEND DEVELOPER

June 2022 - July 2022

KNORISH

*Noida, India*

- Collaborated with senior developers and designers to implement frontend solutions for client projects. Utilized **HTML, CSS, and JavaScript** to create responsive and visually appealing user interfaces. Assisted in integrating **APIs and third-party libraries** to enhance website functionality.
- Gained proficiency in popular frontend frameworks and libraries, such as Bootstrap and jQuery. Explored the fundamentals of version control using Git to collaborate efficiently with the development team.
- Played a role in **optimizing website performance** by identifying and resolving frontend-related bugs and issues. Learned techniques to minimize loading times and improve the overall user experience.

## PROJECTS

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- **INDEX IMPLEMENTATION USING B+ TREES IN RDBMS ([Link](#))** :- Improves the performance of **DataBase manipulation and searching**. This is achieved by implementing b+ trees-based indexing. This reduces the database operational time by a factor of  **$\log(m)$ , where  $m$  is the degree of the b+ tree.**
- **MONEY MINDER ([Link](#))** :- Developed a complete cost management **MERN (MongoDB, Express, React, Node.js)** application that makes it easier to organise and keep track of expenditures. Users of this platform will be able to input, edit, and manage their financial transactions easily. Users may easily keep a tighter hold on their financial situation.

## EDUCATION

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Bachelor of Computer Science, Manipal University Jaipur **CGPA : 8.84**

2019 - 2023

## ACHIEVEMENTS

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- **Top 1381 / 20171** LeetCode Biweekly Contest 81 and **672 rank** in Code Drive Division 2.
- **Specialist** on Codeforces and Solved **550+** Problems on LeetCode ([Link](#)) , ([Link](#))