

# NANDANI YADAV

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## Experience

### Goldman Sachs

June 2023 – August 2023

Software Engineer Analyst

Dallas, TX

- **Technologies** : SQL, Hadoop, Apache Spark, **Java**, **Gradle**, ETL, MYSQL, VScode, Excel, SDLC
- Transformed an inefficient ETL system to Cloud-based Spark, enhancing processing speed and scalability. Analyzed and associated complex derivative datasets, facilitating regulatory reporting mandates.
- Spearheaded **40% SQL optimization** eliminating repetitive work, assessing new transformations and **output data time (from 20 mins to 5 mins)** for improved user experience.

### Rotaract Club of TCET (Govt. project)

April 2022 – July 2022

Software Engineer

Mumbai, India

- **Technologies** : React, JavaScript, NodeJS, Git, **Docker**, **AWS**
- Led the implementation of Rotaract Reporting system that included 20 club profiles and over 700+ students.
- Achieved a **60% increase in mobile users** following the implementation of responsive design and mobile compatibility. The project had a quotation of \$9k-\$10k

### Fynd (Shopsense Retail Technologies Ltd.)

Jan 2022 – March 2022

Software Engineer

Mumbai, India

- **Technologies** : HTML, CSS, React, JavaScript, NodeJS, MongoDB
- Engineered a student dashboard to provide real-time academic information, and progress tracking for over 80 students.
- Reduced data processing time by optimizing database queries and implementing caching mechanism, resulting in **15% increase in student engagement**.

### Idealite Technologies LLP.

April 2019 – Dec 2021

Software Engineer

Mumbai, India

- **Technologies** : React, JavaScript, NodeJS, Wordpress, MongoDB, **Ubuntu Java**, **AWS**
- Led optimization efforts in an Learning Management System (LMS), leverage **Spring Boot** to boost system **efficiency**, enriching training for **200+ stakeholders**.
- Introduced a dynamic file icon system, cutting navigation time and enhancing **accessibility for instructors**, fostering platform-wide connectivity.
- Engineered AWS integration and enabled data processing for users.

### C3 Experiential Pvt Ltd

Jan 2019 – March 2019

Software Engineer

Delhi, India

- **Technologies** : HTML, CSS, React, JavaScript, NodeJS, **Python**, Django
- Developed a student courses and quiz management system using Django as the backend, achieving a **reduction in image rendering time** through strategic lazy loading implementation.
- Proficient in asynchronous data management through APIs, and secure user interface with URL-protected routes.

## Projects

### Secure DNS Access Control System Optimization for CMS Domains | *Python*, Linux

 [Github](#)

- Led end-to-end design, validation, and optimization of CMS-compliant Access Control List (ACL) system, ensuring data integrity, and security through validation, and streamlined structure for enhanced efficiency.

### Analysis of Algorithm, Buy and sell stock | *C++*

 [Github](#)

- Designed and analyzed stock trading algorithms for optimal profit maximization as part of an Algorithms course.

### California Wildfire Hotspot Prediction | *TensorFlow*, *NLP*, *Numpy*, *Python*

 [Github](#)

- Analyzing **spatial and temporal data** to identify patterns, trends related to wildfire occurrences using ML

### Gossip and Push Sum Protocol. | *Erlang* | *Distributed Operating Principle*, *Ubuntu*

 [Github](#)

- Implemented Gossip and Push sum protocols on 4 network topologies (full, line, 2D grid, and Imperfect 2D) via a simulator, ranging from 10 to 10,000 nodes, with the full topology.

### P2P File Sharing Bittorrent Protocol | *Java*

 [Github](#)

- Implemented a peer-to-peer file-sharing software similar to BitTorrent, featuring TCP-based connection.

## Education

### Masters in Computer Science, University of Florida

United States

*Courses* : Advance Data Structure, Analysis of Algorithm, Distributed Operating System Principles

GPA : 3.77 / 4

### B.E in Information Technology, University of Mumbai

India

*Computer Network, Machine Learning, Database Management System, Object Oriented Programming*

GPA : 9.5 / 10