

# Saksham Goel

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## EDUCATION

| Degree/Certificate        | Institute/Board                                 | CGPA/Percentage | Year        |
|---------------------------|---|-----------------|-------------|
| B.Tech - Computer Science | Indian Institute of Information Technology Pune | 7.29 CGPA       | 2020 - 2024 |
| Senior Secondary          | CBSE Board                                      | 93%             | 2019        |
| Secondary                 | CBSE Board                                      | 10 CGPA         | 2017        |

## EXPERIENCE

### Semi-Conductor Laboratory, MeitY

January 2024 – June 2024

SDE Intern - *Yii2, SQL Server, Bootstrap, AJAX, PHP*

Chandigarh

- Developed a **web-based budget management system** leveraging the **Yii2 framework** for efficient financial oversight.
- Implemented **user authentication**, **CRUD operations**, and **PDF report generation** for documents such as indents, purchase orders, and **Store Receipt Vouchers (SRVs)**.
- Automated **stock updates** for received vendor items and created a **consumption tracking feature** to monitor stock usage from specific SRVs.
- Managed over **100 budget entries** and streamlined workflows for a **user base of 50+**, achieving enhanced operational efficiency and accurate financial tracking.

## PROJECTS

### Divide Xpert | Website Link

Github

- Created a **full stack application** with **CRUD** functionality for group creation and users to streamline the process of managing shared expenses and settling bills among group.
- Implemented a dynamic user interface using **React** and **Bootstrap**, utilized **JWT** for user authentication and secure access control.
- Designed a NoSQL database architecture using **MongoDB** to store and manage user profiles, group data.
- Constructed the backend server utilizing **Node.js** and **Express.js** for seamless routing and API handling.
- Employed a **Priority Queue** algorithm to optimize expense graphs, ensuring minimal number of final transactions.

### Message Spam Detector

Github

- Python-based spam detector using various data analysis, label encoding, data preprocessing, **porter stemming**, and **tf-idf vectorization** techniques.
- Utilised **Multinomial Naive Bayes** algorithm for spam classification. Resulted in an efficient solution with an accuracy greater than 95% for identifying spam messages.

## Technical Skills

- Programming Languages:** C++, JavaScript, Python, Php
- Operating Systems:** Linux, Windows
- Web Technologies:** ReactJS, NodeJS, ExpressJS, Yii2
- Developer Tools:** Git, VsCode, Github
- Database Management:** SQL Server, MongoDB

## ACHIEVEMENTS

- DSA:** Solved more than **500 DSA problems** on the coding platform leetcode. LeetCode Profile Link
- JEE Mains 2020:** Achieved **98.17 percentile** in JEE Mains (2020) among 1 million candidates.
- GATE 2025:** Achieved **99.77 percentile** in GATE (CS) among 1.7 Lakh candidates.
- Chess:** Achieved **FIDE rating** in December 2016 through participation in a tournament organized by the Chandigarh Chess Association.

## KEY COURSES TAKEN

- Computer Science:** Algorithms and Data Structures, Design and Analysis of Algorithms, Computer Architecture and Organization, Operating Systems, Database Management System.
- Mathematics:** Linear Algebra, Probability Theory and Random Processes, Discrete Mathematics.