Saksham Goel

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🐙 sakshamgoel-github 🔗 Portfolio 📍 Chandigarh, India

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech - Computer Science	Indian Institute of Information Technology Pune	7.32 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*
- Created a web-based application for budget management system using Yii2 framework.
- Implemented user authentication, CRUD operations, and PDF report generation for indents, purchase orders, and Store Receipt Vouchers (SRVs).
- Automated stock updates based on received items from vendors and implemented a consumption feature to track stock usage from specific SRVs.
- Successfully developed the system, managing over 100 budget entries and supporting a user base of 50+, resulting in improved workflow efficiency and accurate financial oversight.

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.

Trekking Site | Website Link **Github**
- Created a web application using **Node.js** with the help of **Express.js** for efficient routing that shows the reviews of trekking sites.
- Used **MongoDB** database for storage, enabled **CRUD** and **RESTful** functionality for trekking site and reviews, allowing users to manage and update trekking site information and review content.
- Implemented a **responsive design** with **Bootstrap** for optimal user experience.

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**: Achieved **top 2 percentile** in JEE Mains (2020) among 1 million candidates.
- **GATE**: Qualified Graduate Aptitude Test in Engineering (Data Science and Artificial Intelligence) in 2024.
- **Chess**: Obtained **FIDE rating** in December 2016 by defeating rated players in a tournament organised by Chandigarh Chess Association.