

SUNIL RANA

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OBJECTIVE

Being a graduate computer science major, I look forward to putting my skills in software development into practice. I am an individual who prefers working in a fast - paced environment, likes working on challenging problems, and believes in lifelong learning to increase both their technical knowledge and make significant contributions to the team and organization.

EDUCATION

Dayananda Sagar College of Engineering (DSCE)

Masters of Computer Applications

- **CGPA:** 8.96/10.00

Bangalore

August 2023 - Present

PROJECTS

Excel Analysis Platform:

[Live Link](#) 

- Created a complete web-based application which enables users to submit Excel files and receive insights using interactive dashboards.
- Provides real-time data visualization to make effective decisions in the form of charts, summaries, and key metrics.
- Enforces secure user authentication through the use of JWT, as well as reset passwords through email in response to improved account security.
- Supports file management, data analysis and interactive user experience.

Web Application Expense Tracker:

[Live Link](#) 

- Built and created an end-to-end MERN expense tracker application that has secure JWT authorization upon user log-in and log-up.
- The product comes with an interactive dashboard enabling the user to see total balance, income, expenses as well as tracking category-based expenses.

Gemini Dashboard using Gemini Api:

[Live Link](#) 

- Implemented a new chat feature, allowing users to start fresh conversations and access previous chat history.
- Built a user-friendly and responsive interface for an enhanced experience.

A Novel Diabetes Prediction Method based Machine Learning:

[Live Link](#) 

- Trained using machine learning model to forecast diabetes based on health values including levels of glucose, BMI, blood pressure, and age.
- Introduction and compared the usage of the Linear Regression, Multiple steps Linear Regression, and Polynomial Regression to assess the performance of prediction tasks.

INTERNSHIP EXPERIENCE

Gonagoor Technologies

November 19th 2024 to December 28th 2024

Software Development Intern

- Built web applications: a **Typing Accuracy Checker**, which utilizes real-time feedback on each keypress, and a major minor Mapping Converter, which process data with HTML JS CSS and Express.js, as well as receiving practical experience with front-end technologies and version control.

COURSEWORK

Data structures and algorithms
Database management

OOPS concept
Java

Machine Learning
Web development

SKILLS

- **Programming Languages:** Java, JavaScript
- **Web Technologies:** HTML, CSS, EXPRESS JS, NODE JS
- **Frameworks:** React
- **Database Software:** MySQL, SQL, MONGODB
- **Core Concepts:** Object-Oriented Programming (OOP), Data Structure and Algorithms (DSA)
- **Soft Skills:** Teamwork, Communication, Problem Solving

CO-CURRICULAR ACTIVITIES/ACHIEVEMENTS

- Solved 100+ coding challenges on platforms like LeetCode and GeeksforGeeks.
- participated in the CodeSprint 2024 Hackathon and exhibited problem-solving and collaborative abilities