

# Mansi Raj

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in mansiraj01

📁 Portfolio

## EDUCATION

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### Chandigarh University

Bachelor of Engineering (Computer Science & Engineering)

2021 - Present

### Jawahar Navodaya Vidyalaya

Senior secondary education

2019 - 2020

Secondary education

2017 - 2018

## PROJECTS

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### Automated SEO Report Generator | (Python, MySQL, Google PageSpeed API) [↗](#)

- Automated SEO performance measurement retrieval from various sites via Google PageSpeed Insights API and storage in a MySQL database.
- Developed a report generation system that extracts SEO trends, plots important metrics with Matplotlib, and summarizes findings into a multi-page PDF report.
- Created a scheduled email system to send stakeholders monthly SEO reports, incorporating SMTP for secure delivery of emails and timely performance feedback.

### Expense Tracker | (HTML, CSS, JavaScript) [↗](#)

- Designed and developed a web application for personal financial management, enabling users to track and monitor their income and expenses.
- Implemented a user-friendly interface for viewing, editing, and deleting previous transactions and adding new income and expense entries.
- Developed a feature to automatically update the account balance in real-time, reflecting the cumulative effect of previous transactions.

### E-commerce Website | (ReactJS) [↗](#)

- Developed a fully responsive e-commerce website with comprehensive product management capabilities, including product listing, cart management, and checkout functionality.
- Implemented dynamic product filtering, sorting, and search capabilities to enhance user engagement and improve the shopping experience.
- Designed the website to provide a seamless, intuitive, and interactive user experience, prioritizing user satisfaction and conversion rates.

## SKILLS

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- **Programming Languages:** Java, Python
- **Web Technologies:** JavaScript, HTML, CSS
- **Frameworks/Libraries:** ReactJS, NumPy, Pandas
- **Version Control:** Git, GitHub
- **Database:** MySQL
- **Coursework:** Database Management System, Data Structure, Algorithm, Computer Networks, Software Engineering

## CERTIFICATE / TRAINING

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### Programming in Java

NPTEL | July 2022 - Oct 2022

### Web Development Training

Acmegrade | Feb 2023 - Mar 2023

## ACHIEVEMENT

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- Consistently solved complex algorithmic problems, achieving a peak rating of 1623 in LeetCode contests.
- Recognized by Chandigarh University with a Certificate of Excellence in Soft Skills (2023) for outstanding performance in areas such as communication and teamwork.
- Served as house captain at school during the 2018-2019 session.