Aviral Mishra

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Education

PSIT College Of Engineering	**2020 - 2024**
B.Tech in Computer Science & Engineering	*8.6/10 CGPA*

Doon International School, Kanpur	**2016 - 2020**
Senior Secondary	*89%*
High School	*93%*

Technical Skills

Programming Languages: Python — C++ — HTML5 — CSS3 — JavaScript
Frameworks/Libraries: React js — Redux — Node js — Express js — Tailwind CSS — Selenium
Data Management: Web Scraping — MySQL — MongoDB
Tools/Technologies: Postman — Database Management Systems (DBMS) — Git — GitHub
Other Skills: Data Structures — Object-Oriented Programming (OOPs)

Experience

VacationSaga — **June 2024 - Present**

- Implemented real time booking synchronization using Ical with major rental platforms like Airbnb and Booking.com to prevent double bookings and ensure seamless scheduling
- Implemented DMARC and DMIK protocols to boost email authenticity, raising web app credibility from 3/10 to 9/10
- Integrated a secure payment gateway using AES encryption to ensure data protection and transaction security.

Projects

MOVIX — **View Project**

∗ Developed and deployed MOVIX, an extensive catalog with curated and up-to-date categories across **1M+** movies.
∗ Utilizing **React** and **API** handeling for a responsive frontend, providing an interactive user experience.
∗ **Redux** efficiently manages the application's state, ensuring smooth data flow and a remarkable **50% improvement in load times.**
∗ Leveraged HTML, CSS, JavaScript, and Tailwind for providing a modern and responsive design along with the micro-responses which increases user-engagement by 30

Job Scraper — **Source Code**

∗ A robust **web scraping** tool utilizing **Selenium** and **Beautiful Soup** to extract and manage content from 1000+ job listings, ensuring precise data aggregation and storage within a high-performance **SQLite** database.
∗ Enabled customized criteria and scheduled tasks for **automated job search**, enhancing efficiency in gathering relevant job listings.
∗ Using **Python scripting**, the tool can **reduce manual efforts by up to 80%**.

Whatsapp Chat Analyzer — **View Project**

∗ Performed intuitive data visualization using **Streamlit** to analyze WhatsApp chat data, delivering valuable insights into user engagement and group communication patterns (**both for individual and group chats**)
∗ Implemented advance text analysis techniques to uncover key metrics like busiest days, frequently used terms(**top 10 terms constituting 30% of chats**), emoji usage trends(**top 5 emojis accounting 50% of all emojis**), and weekly activity patterns.
∗ Utilized **Pandas** for efficient data manipulation, **NumPy** for numerical computations, and leveraged **Matplotlib** and **Seaborn** for compelling data visualizations providing 5 times better understanding.
∗ Assists in identifying conversation patterns, sentiment trends, and areas for improvement with greater accuracy.

Get Hired

∗ Developed an end-to-end job search and retention optimization platform leveraging **predictive modeling** techniques to forecast the likelihood of students securing jobs and employees retaining positions with an **accuracy of 87%**.
∗ Implemented an interactive chatbot interface to engage users, gather skill preferences, and provide personalized job role recommendations aligned with individual career goals, and also **reduces job search time by 30%.**
∗ Integrated Python libraries (pandas, NumPy, Matplotlib, Seaborn, scikit-learn) and a User-Interface for seamless tracking of job search progress and performance metrics.
∗ Enables data-driven decision-making and tailored career guidance, leading to a 30% improvement in job search outcomes