Mansher Singh

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Enthusiastic and motivated computer science graduate with a strong foundation in software development and web technologies. Passionate about learning and discovering new interests within the field, I am eager to build and develop innovative applications, services, and structures. Skilled in solving complex problems, I am committed to continuous learning and contributing to impactful real-world projects and challenges. Seeking opportunities to apply my skills in a dynamic and challenging environment.

Education

Ashoka University / B. Sc. (Honours) Computer Science
Aug 2021 - May 2024
CGPA : 3.32

Army Public School, Kamraj Rd / Class XII - Science
Graduated 2021
Percentage : 95.4 %

Experience

Monadic Inc. / Independant Software Contractor
June 2023 - August 2023, Remote
Worked on wet.ink, a learning platform for writing and literature, focusing on asynchronous learning.
- Developed and executed test cases to ensure seamless database-site integration.
- Identified and fixed bugs to improve system reliability and performance.
- Collaborated with the development team to enhance backend functionalities.

Zool Tech Solutions Ltd. / Intern in FullStack Web Dev
June 2024 - August 2024, Bangalore
Gained hands-on experience in Full-Stack Web Development, transitioning from basic to advanced technologies.
- Re-learned HTML, CSS, and JavaScript; advanced to React, NextJS, and Tailwind CSS.
- Developed responsive web applications and implemented front-end features.
- Worked with a team of Interns to create a functioning Travel Planner website.
- Transitioned to backend development using MongoDB, Node.js, and Express.js.

DUXMEDIA LLP / Production Assistant
June 2023, Bangalore
Worked on several high-profile live events, including:

- GitHub Constellation 2024
- Google IO Connect 2024
- YouTube FanFest 2024
- Fireside chats at Google

Managed various responsibilities both in-studio and onsite:

- Inventory management and verification of computer equipment
- Packing and preparing equipment for events
- Setting up live streaming consoles and network infrastructure onsite
- Coordinating with onsite event agencies for logistical support
- Assisting with the setup of live encoding servers
- Monitoring live streaming signals to ensure seamless broadcasts

Moneyview / Intern in Analytics Pod

May 2022 - July 2022, Bangalore

Analyzed and interpreted large datasets of SMS data to support strategic planning.

- Utilized Scikit-Learn, Scipy, and basic machine learning concepts.
- Developed a machine learning model to predict customer behavior trends from SMS data.
- Presented data-driven insights to inform company decision-making.

Ashoka University / Teaching Assistant - Computer Science (Operating Systems)

Jan 2024 - May 2024, On-Site

Selected for a competitive, paid position as a Teaching Assistant for the Operating Systems course.

- Designed and developed challenging assignments to enhance understanding of core concepts.
- Graded exams and assignments promptly, providing detailed feedback for improvement.
- Conducted regular doubt-clearing sessions, fostering an engaging learning environment.

Projects

Encrypted Password Manager

- **Technologies Used:** Python3, DASH, Flask, HTML/CSS, SQLite3
- **Description:** Developed a secure password manager with a user-friendly frontend and a robust backend.
- **Features:** Encrypts and stores passwords securely.
- **Details:** Project code and further information are available on my GitHub page.

Music Recommendation System and Playlist Generator

- **Technologies Used:** Natural Language Processing (NLP)
- **Description:** Created a program that suggests songs based on user input and matches emotions in the input with song lyrics. Additionally, it categorizes songs into playlists sorted by emotion.
- **Collaboration:** Developed with a partner as part of a college NLP course.

- **Details:** Project code and further information are available on my GitHub page.
- **Ongoing:** This project will be improved upon as I learn more in the field

Stock Prediction Tool

- **Technologies Used:** Python3, DASH, Flask, HTML/CSS
- **Description:** Built a stock prediction model as a final project for the Introduction to Machine Learning (IML) course.
- **Features:** Takes multiple inputs such as stock name, date range, and number of dates for prediction.
- **Details:** Project code and further information are available on my GitHub page.

Portfolio Website

- **Technologies Used:** JavaScript, Next.js (React Framework), Tailwind CSS
- **Description:** Developed a responsive portfolio website with animations as part of my training at Zool.
- **Practical Application:** Used the project to apply newly learned skills during the mentorship.
- **Details:** The website is open-source on GitHub, and a link to the website is available on my LinkedIn Page.

Ongoing Travel Website Project

- **Technologies Used:** Next.js, Tailwind CSS, Strapi (with plans to switch to MongoDB and Node.js)
- **Description:** A collaborative project with a team of interns at Zool to develop a fully functional travel website.
- **Current Status:** In the third iteration of development, with ongoing enhancements and feature additions.
- **Features:** The website aims to provide comprehensive travel information and booking functionalities.
- **Details:** The project is actively being developed, and updates will be available on my GitHub page as progress continues.

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Skills

Technical Skills
- Programming Languages : C, SML, Scala, Node.js, Python3
- Web Development : HTML, CSS, JavaScript, React, NextJS, Tailwind CSS, Flask
- Databases : SQL, MongoDB
- Machine Learning : Scikit-learn, Pandas, TensorFlow, PyTorch
- Tools : Python DASH, Video Editing (Basic)

Soft Skills
- Academic Advising, Task Assignment, Leadership
- Debate, Problem-Solving, Adaptability