

AMAN

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EDUCATION

Netaji Subhas University of Technology

Jan 2020 - Jan 2024

Bachelor of Technology in Electronics and Communication Engineering

Sarvodaya Bal Vidyalyaya

Jan 2019

Class XII

Government Boys Sr Sec. School

Jan 2017

Class X

WORK EXPERIENCE

Coder-AI Training

Dec 2023 - Present

Freelance

- Collaborated on the enhancement of model performance through iterative refinement, fine-tuning, and optimization techniques on more than 3 projects.
- Enhanced model stability across over 200 tasks by generating and analyzing deviations in model responses, resulting in optimized performance and increased reliability
- Contributed to software development projects, utilizing C++, Python, Javascript and other languages, to achieve measurable improvements in system efficiency and development processes.

PROJECTS

Sorting Visualizer

- Developed a Visually interactive application demonstrating sorting algorithms functionalities with 5 level visuali-sation speed.It offers an engaging educational experience for understanding sorting principles.
- This application demonstrates various sorting algorithms, such as Bubble Sort, Selection Sort, Insertion Sort, Merge Sort, and Quick Sort, with a maximum array size of 150.

Movie Recommender System

- Engineered an unsupervised content-based recommendation system utilizing NLP techniques;integrated it into a web app with a Streamlit Python frontend, resulting in a 40% increase in user engagement.
- Successfully executed data preprocessing for a dataset containing approximately 5000 movie descriptions, with the specific purpose of optimizing them for Natural Language Processing applications.
- Utilized the Bag of Words model for text vectorization, enabling the recommendation of K-nearest neighbors for a designated movie, showcasing expertise in text analysis and recommendation systems.

Sudoku Solver

- Designed a Sudoku Solver Using HTML, CSS, and JavaScript with Backtracking Algorithm.
- Implemented a backtracking algorithm in JavaScript to efficiently solve Sudoku puzzles and verify if it is invalid combination.

SKILLS

- **Languages:** C/C++, Python, JavaScript, HTML/CSS
- **Tools & Frameworks:** Git, Github, VS Code, Node.js, jQuery, Express.js
- **Coursework:** Data Structures & Algorithms, OOPS Concepts, Operating Systems, Computer Networks, Database Management Systems

CERTIFICATIONS

- **Cyber Security and Privacy:** NPTEL Certification, IIT Madras.
- **Developing Soft Skills and Personality:** NPTEL Certification, IIT Kanpur.