

KUNAL KUMAR

EDUCATION

National Institute of Technology, Hamirpur

12/20 - 06/24

Bachelor of Technology – Mathematics and Computing

WORK EXPERIENCE

Soul AI

06/24 - present

Data Science (AS contract)

Remote

- the development of the Flamingo LLM project which improved model performance by integrating human judgment into the reinforcement learning algorithm, resulting in a 25 percent increase in output quality across test cases.

Excellence Technologies

04/23 - 08/23

Fullstack Developer

Noida

- Built a Fullstack web app frontend with react ,redux **ChatGPT API** backend with Django integrate with GPT-3.5 turbo
- Collaborated in a team of 3 to develop and present innovative business ideas.
- Increased resume parsing accuracy by **training a transformer model** and developing APIs.

E-Cell, NIT Hamirpur

06/21 - 05/24

Secretary of External Affairs

On-site

- Implemented 5 workshops and organized E-summit to raise funds for startup and project.

PROJECT

- Music Genre Classification (Django, KNN, HTML, CSS,React js, Machine Learning):** [GitHub Repository](#)
 - Created a robust music genre classification tool that accepts .wav audio uploads; the application processed over 1,000 audio files in the first month, streamlining user interaction and reducing manual categorization efforts.
 - Classified music into categories like pop, hip-hop, and more.
- Comprehensive Analysis of Bank Loan Processes and Data Utilization (SQL, Tableau, Excel):**
 - Used modern data analytics to improve loan risk assessment methods, leading to a 20% decrease in default rates and a 30% improvement in loan approval turnaround time.
 - Provided data-driven strategies for efficient loan management.
- Food cart (React.js, Swiggy's Public API, Redux Toolkit, CSS, HTML, JavaScript):** [GitHub Repository](#)
 - using React.js and integrated with Swiggy's public API to fetch live data for hotel and menu information.
 - Implemented a modern user interface with React.js, leveraging Redux Toolkit for state management .
 - Designed a responsive and intuitive front-end using Tailwind CSS and HTML, ensuring a seamless user experience across different devices.

SKILLS

- Languages:** Javascript (ES6+), Python, SQL, C++, HTML5, CSS, Data Structures and Algorithms
- Libraries and Frameworks:** React.js, Redux, React Router, Scikit-learn, TensorFlow, Django, Numpy , Pandas , Seaborn ,Matplot-lib,scikit-learn
- Tools and Platforms:** Git, GitHub, npm, Webpack, Vite, MySQL, Excel, PowerBI, Docker, Vercel
- Testing and Deployment:** React Testing Library, Postman, CI/CD, Netlify, Vercel,AWS
- State Management:** Redux, Context API
- UI/UX Tools:** Material-UI, Bootstrap, Tailwind CSS, Figma
- Algorithms:** OOP,DBMS Image Processing, Regression, Classification, KNN, Random Forest, Neural Networks

ACHIEVEMENTS AND CERTIFICATIONS

- Solved 200+ DSA problems on different coding platforms -leetcode,Coding-Ninjas and GFG.**
- Scored AIR 13,225 in JEE Mains and AIR 9,725 in JEE Advance.**
- Research Paper:** *Image Compression using Haar Wavelet*
- AWS-Machine Learning Deep-Racer**