Niraj Kumar

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SKILLS

- **Languages**: Python, C++, JavaScript, C, Java, Kotline
- **Frameworks**: HTML and CSS,
- **Tools/Platforms**: MySQL, Git, GitHub, Numpy, Pandas, Android Studio
- **Soft Skills**: Problem-Solving, Quick Learner, Team player

PROJECTS

Culture Festival Website | GitHub Jun' 25 - Jul' 25

- Developed a fully responsive and visually engaging web application using React, Tailwind CSS, and modern JavaScript (ES6+) standards.
- Implemented reusable React components and efficient state management to support dynamic content rendering.
- Structured the project using Vite to achieve faster builds, efficient Hot Module Replacement (HMR), and optimized loading performance.
- Integrated multimedia assets, event sections, and intuitive navigation to enhance user engagement and usability.
- Deployed the application on Vercel, ensuring high availability, scalability, and fast response times.

Tech: HTML, CSS, JavaScript, React, PHP

Movie Recommendation System | GitHub Jan'25 - Apr'25

- Built an end-to-end content-based movie recommendation system, covering data preprocessing, feature extraction, similarity computation, and ranked recommendation output.
- Applied TF-IDF vectorization and cosine similarity to identify content similarity patterns using unsupervised machine learning techniques.
- Processed and analyzed large-scale movie datasets using Python, Pandas, and NumPy to ensure accurate and efficient recommendations.
- Deployed the model using Flask, enabling real-time personalized movie recommendations through a web interface.
- Outcome: Successfully delivered a scalable recommendation engine capable of generating highly relevant movie suggestions without labeled data.

Tech: Python, Scikit-learn, Pandas, NumPy, TF-IDF, Cosine Similarity, Flask

TRAINING

Cipher Schools (Edtech Company) | *Java with OOPs Programming Language*| **Link** Jun' 25 - Jul' 25

- Undertook intensive hands-on training in Core Java, with a strong focus on Object-Oriented Programming (OOP) principles and best practices.
- Applied core OOP concepts including classes, objects, inheritance, polymorphism, abstraction, and interfaces to build structured and reusable Java applications.
- Developed multiple Java-based programs to solve real-world problems, emphasizing modular design, code reusability, and maintainability.
- Strengthened proficiency in Java syntax, exception handling, collections framework, and clean coding standards through practical exercises and assignments.
- Outcome: Built a solid foundation in Java programming and OOP concepts, enabling the development of robust, scalable, and well-structured Java applications.

CERTIFICATION

- Java with Opps Programming Langauge | CipherSchool Link Apr'25
- Build generative ai apps and solutions with no code tools | Link Jan'25
- Packet Switching Network and Algorithms | Coursera | Link Sep'24
- Python for Data Science | Board Infinity | Link Mar'24

ACHIEVEMENTS

- Solved 40+ problems on LeetCode. Dec'25
- 3 - star in Python on HackerRank Jan'25

EDUCATION

- **Lovely Professional University** Punjab, India
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 6.02*** *Aug' 23 - Present*
- **Sita Ram +2 High School** *Bettiah , Bihar*
  Intermediate; ***Percentage: 72%*** *Apr' 21 - Mar' 23*
- **RamKrishna Vivekanand Vidya Mandir** *Bettiah, Bihar*
  Matriculation; ***Percentage: 63 %*** *Apr' 20 - Mar' 21*