VIVEK PAPOLA

Uttarakhand, India
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Education

Graphic Era Hill University **August 2022 - June 2026**
Bachelor of Technology in Computer Science and Engineering(CGPA of 8.82) *Uttarakhand, India*

Army Public School **March 2022**
Senior Secondary(Percentage: 87%) *Uttar Pradesh, India*

Army Public School **March 2020**
Higher Secondary(Percentage: 90%) *Uttar Pradesh, India*

Projects

Recipe-Hunt | *Vite, React Js, React Server, CSS, HTML* | CODE **January 2025**
- Developed an interface using React.js and Vite, enabling users to search recipes by cuisine, dish name, or keyword.
- Integrated Spoonacular API to fetch live recipe data and deployed the app on Netlify.
- Google Netlify Storage for hosting static assets, improving load times by 20%.

SMS Spam Detection | *Python, Jupyter, Pandas, Scikit-learn* | CODE **December 2024**
- Built a machine learning model in Python with 83% accuracy to classify SMS messages as spam or legitimate.
- Utilized Pandas for data preprocessing and Scikit-learn for feature extraction and classification.
- Evaluated model performance with cross-validation to ensure accurate detection.

Text Summarizer | *Python, NLTK, Gensim, Flask* | CODE **June 2024**
- Developed a tool that condenses lengthy documents into concise summaries with 89% accuracy.
- Leveraged NLTK and Gensim for text processing and extractive summarization techniques.
- Built a Flask API to deliver real-time summaries with minimal loss of key content.

Image Recognition for Medical Diagnosis | *Python, TensorFlow, Keras, OpenCV, Flask* | CODE **August 2024**
- Developed a CNN-based model using TensorFlow and Keras with 87% accuracy to analyze medical images for diagnostics.
- Utilized OpenCV for image preprocessing and data augmentation to enhance model robustness.
- Built a Flask API for clinicians to upload images and receive automated diagnostic predictions.

Technical Skills

Languages : C, C++, Python, Java, JavaScript, HTML and CSS.
Frameworks : React.js, Node.js, Flutter, Flask, Tailwind CSS and Bootstrap.
Libraries : Pandas, Scikit-learn, TensorFlow, Keras, NLTK, Gensim and OpenCV.
Databases : MongoDB, MySQL and Oracle 11G.
Dev Tools : Git, GitHub, PyCharm, Eclipse, IntelliJ, Jupyter and Anaconda.

Certifications

- Data Structures and Algorithms.
- Machine Learning Fundamentals and Algorithms.
- Design and Analysis of Algorithms. (CREDENTIAL)
- Introduction to Java programming. (CREDENTIAL)
- Databases and SQL for Data Science.

Achievements

- Led a 4-member team, "Safar Gehu", in Smart India Hackathon(SIH) 24, developing an education software.
- Qualified for the final round of the Galgotias International Hackathon representing "Coding Geeks" (2024).
- Competed in the intra-college coding competition (Sem 3), showcasing problem-solving abilities.
- Ranked in the top 20 in IEEE Xtreme coding competition (Sem 3), showcasing algorithmic expertise.
- Solved 300+ DSA problems on platforms like LeetCode, HackerEarth, consistently improving coding efficiency. (CREDENTIAL) (CREDENTIAL)