Kushu Shukla

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SKILLS

- **Languages**: C/C++, Python, Java
- **Tech/Frameworks**: Machine Learning, Deep Learning, PyTorch, scikit-Learn, Tensorflow, Keras
- **Tools/Platforms**: Google Colab, Git, Github
- **Soft Skills**: Problem-Solving Skills, Critical Thinking, Project Management, Adaptability

TRAINING

- **Data Structure and Algorithms using C++ (Geek for Geeks)** June'23 – July'23
  - Complete the comprehensive self-paced Data Structures and Algorithms (DSA) course offered by Geek for Geeks, mastering key concepts and techniques.
  - Gained in-depth knowledge of various data structures such as arrays, linked lists, stacks, queues, trees, graphs, and hash tables.
  - Implemented numerous coding exercises and problems to reinforce theoretical knowledge and improve problem-solving skills.

PROJECTS

- **Crop Recommendation System**: April'24

  Developed a crop recommendation system using data-driven insights to optimize crop selection based on environmental conditions and soil data, improving yield predictions and agricultural efficiency.
  - Preprocessed agricultural datasets using scikit-learn, resolving 100% of missing values and normalizing features, which optimized model performance by 30% and reduced prediction error by 25%.
  - Leveraged ML for accurate recommendations based one parameter such as NPK, rainfall, humidity, temperature, and pH; achieved an 85% accuracy rate.
  - Created and deployed a web- based application using Flask and integrated HTML, ensuring an intuitive and visually appealing interface, resulting in a user satisfaction score of 90.

  Tech: Python, Machine Learning, Predictive Analysis

- **Sentiment Analysis**: May'24

  Designed and implemented a sentiment analysis model to analyze textual data at scale. Leveraged natural language processing algorithms to identify customer emotions and feedback. Provided valuable insights that supported targeted marketing and improved customer relations
  - Designed and implemented a sentiment analysis model to process large volumes of textual data, extracting meaningful insights from customer feedback and reviews.
  - Utilized advanced natural language processing algorithms to accurately classify and analyze customer sentiments, identifying patterns and trends in opinions and emotions.
  - Delivered valuable insights that informed strategic decisions, enabling more effective marketing campaigns, and enhancing overall customer engagement and satisfaction

  Tech: Natural Language Processing, Word Embedding, NLTK

CERTIFICATES

- Proctored Software Testing by NPTEL — Oct'24
- Mastering Data Structures and Algorithms with C/C++ by Udemy — March'23
- ChatGPT advance Data Analysis by Coursera — March'23

ACHIEVEMENTS

- **Leetcode:** Feb'25
  Solved 150+ questions of easy and medium level
- **Codechef:** Jan'25
  Silver badge in C++ and Python

EDUCATION

- **Lovely Professional University** Punjab, India
  Bachelor of Technology - Computer Science and Engineering: *CGPA: 6.30* *Aug'22 - July'26*
- **Vidya Vahini School** Prayagraj, UttarPradesh
  Intermediate; Percentage: 77.8% *March'20 - May'21*
- **Vidya Vahini School** Prayagraj, UttarPradesh
  Matriculation; Percentage: 80.8% *March'18 – May'19*