TAMANNA KAPIL

Ambala, Haryana 133206

📞 9053576910 ✉ tamannakapil09@gmail.com in linkedin.com/in/tamannakapil09/ ⊙ github.com/Tamannakapil0904/

Summer Training

Fundamentals of Data Structures Using C++   **Jun 2024 - Jul 2024**
LPU
- Completed a training program focused on linked lists, arrays, stacks, and other essential data structures. Gained hands-on experience in implementing and optimizing data structures using C++.

Projects

Skin Cancer Detection / *Python, Tensorflow, Keras, CNN, Kaggle Dataset, Matplotlip, DL*   **Feb 2024 - Apr 2024**
- Developed a CNN-based model to classify skin lesions as benign or malignant, addressing early detection challenges in healthcare.
- Preprocessed images using normarlization, data augmentation, and contrast enhancement for better feature extraction.
- Achieved 92% accuracy, 89% precision, and 91% recall on a Kaggle dataset with 10,000 images, evaluated using precision, recall, and F1-score.
- Optimized training by using dropout layers, data augmentation, and hyperparameter tuning to prevent overfitting.

Credit Card Fraud Detection / *Python, Scikit-learn, Pandas, Decision Tree, SVC, StandardScaler*   **Feb 2024 - May 2024**
- Developed a machine learning model to defect fraudulent transactions, ensuring enhanced financial security.
- Preprocessed data by handling missing values, feature scaling (StandarScaler), and addressing class imbalance using SMOTE and undersampling techniques.
- Achieved 98% accuracy, 96% precision, and 94% F1-score, reducing false positives and improving fraud detection rates.
- Optimized Decision Tree depth and SVC hyperparameters using GridSearchCV, leading to a 5% improvement in recall.
- Designed a scalable solution that can assist financial institutions in real-time fraud detection and reduce financial losses.

Certificates

Cloud Computing   **Nov 2024**
NPTEL — Cloud Computing.pdf

Generative AI with LLM   **Mar 2024**
Coursera — Gen AI with LLM coursera.pdf

ChatGPT Advanced Data Analysis   **Mar 2024**
Coursera — ChatGPT Advanced Data Analysis Coursera Certificate.pdf

Prompt Engineering for ChatGPT   **Feb 2024**
Coursera — Prompt Engineering for ChatGPT coursera.pdf

Mastering Data Structure and Algorithms using C & C++   **Dec 2023**
Udemy — Udemy Certificate DSA.pdf

Skills

Languages: C++, Java, Python, JavaScript.

Tools/Software: Visual Studio Code, Word, Excel, Adobe.

Libraries/Frameworks: Git, Java Std Library, C++ STL, NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, SQL.

Technical Skills: Data Structures and Algorithms, Problem-Solving, ML, NLP, Prompt Engg for AI Solutions, MySQL.

Interpersonal Skills: Communication Skills, Teamwork, Adaptability, Problem-solving, Leadership.

Education Skills

Lovely Professional University, Phagwara   **2022 – 2026**
Computer Science and Engineering — CGPA: 7.3   *Jalandhar, Punjab*

SMS Public School, Barara   **2020 – 2022**
Intermediate — Percentage: 64.50%   *Ambala, Haryana*

Divine Glory Public School, Dhanaura   **2019 – 2020**
Matriculation— CGPA: 7.6   *Ambala, Haryana*