Kartik Kumar

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EDUCATION:

- **Thapar Institute of Engineering and Technology, Patiala**   **2020-2024**
  BTech, Computer Science – 8.12 (4ʳᵈ Year)

  Elective:- Financial Derivatives.
- **Bhupindra International Public School, Patiala**   **2018-2020**
  Senior Secondary Education (CBSE) – 90.2%
- **Our Lady of Fatima, Convent High School, Patiala**   **2008-2018**
  Secondary Education (CBSE) – 89.2%

WORK EXPERIENCE:

- **Samsung Prism Research Internship**   **Nov-June 2023**
  Sentiment Analysis (Zero-Shot Learning):
  The project aims to determine the attitude of a speaker or writer with respect to some topic or overall contextual polarity of a Document.
  Stack: Hugging Face Model, Python
- **ELC Thapar Internship** (*Offline*)   **June-July 2022**
  AI-Based Surveillance System (2022):
  Developed an intelligence system that can be installed at traffic posts to monitor, count, and find traffic density.
  Stack: OpenCV, YOLO, Numpy, Pandas.
  Hardware: Raspberry Pi, Camera Module v2, Led Display, etc.

TECHNICAL SKILLS:

C++, Python, SQL, NLP, PL/SQL, Linux, OpenCV, Numpy, Pandas, Scikit-Learn, Keras, pyttzx3, CNN, ANN, Git, Dockers, Visual Studio, Linux, Adobe Photoshop, AutoCAD, Matlab, Microsoft Office/Excel, Tableau, AWS.

PROJECTS:

- **Gait Analysis:** Developed a machine learning algorithm to identify individuals based on their unique Gait patterns.
  Stack: Tensorflow, Random Forest classifier, PyQt6
- **Bank Note Authentication**(2022)**:** Developed a Machine Learning Program to detect fraudulent notes accurately.
  Stack: Dockers, Random Forest Classifier, Flask.
- **Advance Attendance System** (2021): Developed a Program that detects the Face and Logs the time of Entry in the CSV file, which can return the Last Seen time/duration in speech.
  Stack: OpenCV-Python, Face Recognition, Pandas, pyttsx3.
- **Spotify Billboard Production:** Model that predicts Spotify song's billboard success. Used Extra tree Classifier that gives Accuracy of more than 85%
  Stack: Pycaret, Extra Tree Classifier
- **MINOR PROJECTS:-**
  - Car Price Prediction *(Random-Forest)*   ●Flight Price Prediction *(Linear Regression,Flask)*
  - Black Friday Sale EDA   ●Numer.ai Stock analysis *(Pycaret/QDA)*

ACHIEVEMENTS:

- AWS- Data Engineering (*Ongoing*)
- Top 5- Kaggle Data Scientist Competition *(Stocks Dataset from Numer.ai)*
- Best Data Scientist *(TSS)*
- Recipient of T.I.E.T Merit Scholarship for the year 2020-2021

POSITION OF RESPONSIBILITY:

Administrative Secretary   **OWASP THAPAR STUDENT CHAPTER**   **May 2022 – July 2023**
- Introduced Coding Culture in College, which helped 250+ students to get started in the technical domain
- Awarded with a commemorative plaque for leading a group of 150+ coding enthusiasts and motivating them in the field of machine learning and data science
- Conducted bi-weekly knowledge sessions on Python and its applications in Machine Learning & Data Science

CORE MEMBER   **OWASP THAPAR STUDENT CHAPTER**   **Aug 2021 – May 2022**
- Marketing Head-Hackowasp 3.0
- Recruitment Head.