Vansh Khattar

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EDUCATION

VIT BHOPAL UNIVERSITY — Bhopal, MP
Bachelor of Technology — 2022 - 2026
Computer Science and Engineering with specialization in AI & ML.
CGPA: **7.91**

SALWAN PUBLIC SCHOOL (Class 12th) — New Delhi, Delhi
Senior Secondary CBSE: **80.8%** — 2021 – 2022

SALWAN PUBLIC SCHOOL (Class 10th) — New Delhi, Delhi
Secondary CBSE: **73.4%** — 2019 - 2020

TECHNOLOGIES

Programming Languages: Python, C++, SQL, Java, HTML, CSS, JavaScript, PHP
Frameworks & Libraries: scikit-learn, TensorFlow, pandas, NumPy, matplotlib, seaborn, Flask, FastAPI
Databases: MySQL, MongoDB
Tools & Technologies: RESTful APIs, Microservices, API Automation, Apache Tomcat, Postman, Git
Concepts: Data Structures & Algorithms, System Design, Software Development Lifecycle (SDLC), Machine Learning.

WORK EXPERIENCE

DIGITAL INDIA CORPORATION — New Delhi, Delhi
Web Development & Testing Intern — Oct 2024– Dec 202

- Developed a PHP script to automate file cleanup based on access time and Amazon S3 storage.
- Performed end-to-end functionality testing of IndiaHandmade.com across web, mobile site, and app—covering cart, checkout, payment, OTP, and user registration.
- Tested seller onboarding by listing products and reporting usability issues to improve the seller experience.
- Evaluated order placement, tracking, and cancellation on IndiaHandmade.com and Esaras.in via ONDC to ensure seamless user experience.

PROJECTS

PNEUMONIA DETECTION USING CNN — GitHub

- Developed a CNN-based classification model using TensorFlow/Keras to detect pneumonia from chest X-ray images.
- Processed and trained on high-dimensional NumPy-based medical imaging datasets, involving over 750MB of labeled data.
- Organized training, testing, and exploratory analysis in modular Jupyter notebooks for reproducibility and experimentation.
- Implemented custom data loading, preprocessing, and augmentation pipelines to enhance model performance and robustness.

STOCK MARKET PREDICTION USING MACHINE LEARNING — GitHub

- Implemented machine learning models including Random Forest and Artificial Neural Networks (ANN) to analyze historical stock data and predict future price trends.
- Trained models on 10 years of stock market data, performing feature engineering and time-series preprocessing for improved accuracy.
- Evaluated model performance using metrics such as Mean Squared Error (MSE) to benchmark prediction reliability.
- Structured the project using modular Jupyter notebooks for training, evaluation, and experimentation.

CERTIFICATIONS

- Machine Learning Specialization – Stanford (Coursera) (2024)
- Privacy & Security in Online Social Media – IIIT Hyderabad (NPTEL) (2024)
- Applied ML in Python – University of Michigan (Coursera) (2023)
- Introduction to AI – University of Helsinki (Elements of AI) (2022)