MANIK PANDITA

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CSE Undergrad | AI-ML Researcher | Software Developer | Mobile Application Developer

EDUCATION

RV Institute of Technology and Management, BE *in Computer Science and Engineering* | Bengaluru, Karnataka — 2021 - Present

Govt. Mixed High Secondary School, Class XII | Jammu, Jammu and Kashmir — 2020 - March 2021

EXPERIENCE

Sonata Software, *Software Developer Intern* | Hybrid (Bengaluru, Karnataka) — October 2022 - November 2022

- Analyzed requirements, converted to user stories, designed UI/UX for a secure BFSI Financial Application.
- Used .NET MVC 5, Entity Framework, Web API, SQL Server.
- Results: Robust data webpage.

Yhills, *Cyber Security Intern* | Hybrid (Noida, Uttar Pradesh) — November 2022 – January 2023

- Analyzed passwords via penetration testing (brute- force, dictionary, rainbow tables) using Kali Linux.
- Extracted passwords, executed cracking, and presented findings and enhanced Cyber Security skills with Kali Linux expertise.

Yhills, *Digital Marketing Intern* | Hybrid (Noida, Uttar Pradesh) — November 2023 – January 2024

- Develop a business strategy to streamline course sales by leveraging insights from historical trend analysis.
- Utilize a Machine Learning (Regression) Model for in-depth analysis of past trends, contributing to the attainment of successful sales targets.

Learning Buds, *Machine Learning Intern* | Hybrid (Bengaluru, Karnataka) — November 2023 – December 2023

- Resolved issues within the current HR Analysis project, Diabetes Analysis, and various other Machine Learning projects.
- Employed multiple Machine Learning models for training and testing the given datasets, achieving improved accuracy and performance.

SKILLS

Languages	Python, C, C#, Java, Git, Dart
Software	Linux, Tensorflow, Pytorch, Docker, Kubernetes, OpenCV, Flutter
Tools	Visual Studio Code, IntelliJ, PyCharm, Docker Desktop, PostgreSQL, Apache Maven, Postman API, Android Studio
Certifications	Time Series Analysis of Stock Market Prediction, Great Learning – (2023) | Business Analysis and Process Management, Coursera – (2023)

PROJECTS

Placement Management System | DBMS Mini Project, *RV Institute of Technology and Management* (V Sem CSE) — Jan 2024

- Developed a "Placement Management System" using Python (Django framework) and MySQL database.
- Implemented features including user registration, company/job management, GPA tracking, and data export functionality, enhancing efficiency in student placement processes.

Real Time Market Data Tracker – *Personal Project* — Feb 2024

- Developed a Python script using Trading View APIs for real-time market data of specified trading pairs.
- Integrated symbol search functionality for trading pairs and stored real-time data in a CSV file for analysis.
- Designed an interactive command-line interface, allowing users to easily input preferences and retrieve data.

Cine Connect API: Dynamic Movie and Venue Information Retrieval – *Personal Project* — Feb 2024

- Developed a RESTful API using Flask to interact with the BookMyShow website, providing endpoints for retrieving information about now-showing movies and venues in a specified city.
- Integrated web scraping techniques with BeautifulSoup to extract key details, including movie names, URLs, images, languages, and dimensions, from the BookMyShow website dynamically.
- Implemented user-friendly input handling for the API, allowing users to query information based on movie names, cities, languages, dimensions, and other parameters through both GET and POST requests.

Text Emotion Classifier: A Machine Learning Approach – *Personal Project* — Nov 2023

- Developed a robust machine learning model utilizing SVM and Random Forest for accurate emotion classification in textual data.
- Implemented comprehensive data preprocessing techniques, including removal of stopwords, URLs, and punctuations, enhancing the quality of the training data.
- Achieved a commendable accuracy of approximately 92% through TF-IDF feature engineering and model evaluation, showcasing the effectiveness of the developed emotion classification system.

API Trader Connect – *Personal Project* — Jan 2024

- Developed a Java application to interact with the 5 Paisa trading platform through their API, enabling seamless access to market data and trading functionalities.
- Implemented features for placing, modifying, and canceling orders on various exchanges (NSE, BSE, MCX) with support for different order types (market, limit) and conditions (stop-loss, disclosed quantity).
- Ensured secure communication with the 5 Paisa API by incorporating encryption keys and user authentication, enhancing the overall reliability and confidentiality of financial transactions.