ARYA SHARMA

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LinkedIn | GitHub | CodeChef | CodeForces | Kaggle

EDUCATION

Indian Institute of Information Technology Bhopal Bhopal, Madhya Pradesh
B.Tech Electronics and Communication **GPA**: *8.82* 2021 - Present

EXPERIENCE

Mentored Minds | *Data Analytics Intern* Feb, 2021 - Present
- Conducted a comprehensive analysis of market trends to identify high-performing stocks and delivered weekly reports to a team of **15** traders, increasing their success rate by **20** %
- Created financial models and utilised statistical tools such as **Google Data Studio**, **Power Bi** and **Excel**
- Revitalized sales reporting process by implementing advanced filters, parameters, and calculated sets to pinpoint stock highs, driving a remarkable **20** % surge in conversion rates.

PROJECTS

CinePicks | *NLP, Vectorization, Streamlit, RestAPI, HTML5, CSS* CinePicks
- Fabricated movies recommendation system encompassing a class of techniques and algorithms like **Matrix factorisation** ,**Vectorisation** and **Stemming** that can suggest most relevant content
- Developed and trained a model, utilising **23** features, on a data-set of over **5000** movies to capture popularity, genre, story, cast, and crew information
- Deployed personalized movie recommendation system on **Oracle Cloud** using **Caddy server** as reverse proxy, providing real-time **API**-based retrieval of relevant movie recommendations.

Facial Recognition System | *OpenCV, Tensorflow, Deep Learning, Keras, Pandas, and Sklearn* GitHub
- Developed model using **deep learning** techniques, achieving high accuracy in face detection, recognition, and verification tasks.
- Utilized **CNNs** with more than **4** layers and pre-trained models to extract facial features and classify individuals, enabling efficient and reliable identification in real-time scenarios.
- Improved overall accuracy rate to **84** %, boosted speed of detection by **25** %, and increased recognition accuracy by **15** %.

House-Price-Prediction-System | *ML, Regression, EDA , Kaggle, Regularisation* GitHub
- Analyzed a house price prediction data-set consisting of 1461 rows and 81 columns for finding out price of house on different parameters using **ML algorithms**, **Linear Regression** & **Feature Engineering**
- Performed exploratory data analysis, slitting of training data and testing data. Extracted the test data from overall **data, model evaluation and predictions** with test data being 10 % of overall data
- Deployed advanced methods like **outlier detection**, **one-hot encoding** implemented with **Grid-Search-CV** model and **Elastic-Net** model to Predict House-Price with provided features

SKILLS

Languages:	C/C++, Python, HTML, CSS, JavaScript
Developers Tools :	Git, MySQL, PostgreSQL, Power-Bi, Docker, Tableau
Frameworks:	React JS, FastAPI, Pytorch, Tensorflow
Platform:	AWS Cloud, Linux, GitHub , Git

CERTIFICATIONS/ ACHIEVEMENTS

Competitive Programming | *Code Chef and Code Forces* Code Chef, Code Forces
- Facilitated in weekly competitive programming contests on **Code Forces** and **Code Chef**, and managed to secure the highest rating of **1553** on Code Chef and **955** on Code Forces

Data Science Foundation Course | *Coursera, 2022* Link
- Completed the 14-day long **Data Science foundation** course on Coursera and gained skills including spreadsheet, data cleansing, data analysis, data ecosystem, data visualisation, database management

AWS Builders Online Series | *AWS, 2022* Link
- Enrolled the **AWS builders Series** and learnt AWS Components like DynamoDB, EC 2, Light Sail

Hack With GDSC IIITB: Hackathon | Google Developer Student Club, 2022 Link
- Competed in the **2-day long Hackathon** conducted by GDSC, IIIT Bhopal in a team of 4 developers

HacktoberFest2022 | *Github, 2022* Link
- Authored 6 pull requests in different Open-Source Projects during month-long **Hacktober Fest** 2022