

# ARYA SHARMA

Bhopal, Madhya Pradesh · [arya.sharma.200603@gmail.com](mailto:arya.sharma.200603@gmail.com) · +919301284690

[LinkedIn](#) | [GitHub](#) | [CodeChef](#) | [CodeForces](#) | [Kaggle](#)

## EDUCATION

**Indian Institute of Information Technology Bhopal**  
B.Tech Electronics and Communication **GPA: 8.82**

Bhopal, Madhya Pradesh  
2021 - Present

## EXPERIENCE

**LEOPRIDE PVT. LTD** | *Machine Learning Intern*

July, 2023 - Present

- Spearheaded **BERT-based Large Language Model** development, employing advanced techniques for 15% faster training convergence.
- Innovated BERT-driven chatbot framework, achieving **40%** quicker responses and **60%** higher user satisfaction via **sentiment analysis**.
- Collaborated with data scientists to streamline model architectures, cutting size by **15%** while retaining **95%** baseline accuracy, bolstering deployment efficiency.

## PROJECTS

**CinePicks** | *NLP, Vectorization, Streamlit, RestAPI, HTML5, CSS*

[Live](#)

- Deployed movies recommendation system encompassing a class of techniques and algorithms like **Matrix factorization**, **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 & 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

**HacktoberFest2022** | *Github, 2022*

[Link](#)

- Authored 6 pull requests in different Open-Source Projects during month-long **Hacktober Fest 2022**