

Virendra Singh



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[LINKDIN](#)



[GITHUB](#)

SUMMARY:

Full stack developer specializing in Python and Django, adept at building dynamic, responsive websites with HTML, CSS, and JavaScript. Skilled in database management, APIs, and full lifecycle development. With expertise in data science, analytics, and machine learning enhances my development projects.

EDUCATION:

ARYA COLLEGE OF ENGINEERING

Bachelor of Technology in Computer Science Engineering

Jaipur, Rajasthan

2021-present

SKILL:

- **Programming Skills:** Python, R, SQL, MySQL, C, C++
- **Core Competencies:** Data Visualization, Business Intelligence, Data Analytics, Tableau, Excel, NumPy, Power BI, Artificial Intelligence, Machine Learning & Natural Language Processing, REST APIS
- **Frameworks Knowledge:** Django, Flask
- **Libraries Knowledge:** NumPy, Pandas, Matplotlib, OpenCV, Seaborn, Scikit-learn
- **Other:** Data Structure and Algorithm, DBMS, OOPs concept

PROFESSIONAL TRAINING EXPERIENCE

Advance Python with Django, @Codebetter| Indore, Madhya Pradesh |

July 2024-Present

- In-depth understanding of Django architecture, including models, views, templates, and forms.
- Hands-on experience with Django **ORM** for database interactions and migrations.
- Developed **RESTful APIs** using Django **Rest Framework**.
- Implemented user authentication and authorization features.
- Gained experience in deploying Django applications on cloud platforms.
- Enhanced skills in debugging, testing, and optimizing Django applications,

Data Engineering Internship, @Celebal Technologies| Jaipur, Rajasthan

May 2024 – July 2024

- Specialized in building and optimizing **ETL pipelines**
- Proficient in **Python** for data transformation, automation, and **data wrangling**
- Extensive experience in writing complex **SQL queries** for data extraction and analysis
- Leveraged **Azure Cloud** services for scalable data storage, processing, and **deployment of solutions**
- Collaborated with cross-functional teams to deliver **data-driven insights** and solution.

Machine Learning Trainee, @Upflairs.Pvt.ltd | Jaipur, Rajasthan| [CLICK HERE](#)

July 2023 – September 2023

- Strong foundation in supervised/unsupervised learning, feature engineering, and model evaluation.
- Advanced Python skills for data analysis and machine learning using NumPy, Pandas, scikit-learn, Matplotlib.
- Experience with machine learning algorithms: Linear/Logistic Regression, Decision Trees, Random Forests, SVM, KNN, K-means, and hierarchical clustering.
- Passionate about data science, staying current with the latest ML and AI trends.
- Engaged in peer learning sessions to discuss algorithm selection, model optimization, and deployment strategies
- Collaborated on projects involving deep learning frameworks such as TensorFlow to build neural network

CERTIFICATES:

1. Python Certification,

GUVI Geek Networks, Google for Education Partner

Verification: [GUVI Verification](#)

2. Data Science for Engineers, NPTEL

Verification: [NPTEL Verification](#)

3. Digital Transformation with Google Cloud,

Coursera (Authorized by Google Cloud)

Verification: [Coursera Verification](#)

PROJECT EXPERIENCE:

1. E-commerce Website Development

- Built a full-featured e-commerce site using Django, with secure payment integration, product management, and user authentication.
- Designed responsive front-end with HTML, CSS, and JavaScript.
- Deployed on AWS optimizing for scalability and performance

Technologies Used: Python, Django, HTML, CSS, Bootstrap, JavaScript, Rest Framework

2. Sentiment Analysis on Restaurant Review: [CLICK HERE](#)

Description: Developed a sentiment analysis system to classify restaurant reviews as positive or negative using Natural Language Processing (NLP) techniques and various machine learning algorithms.

Key Contributions:

- **Data Preprocessing:** Implemented text cleaning, tokenization, and stemming to prepare review data for analysis.
- **Feature Engineering:** Created a Bag of Words model to convert text data into numerical features.
- **Model Development:** Trained and evaluated models using Naive Bayes, Random Forest, and Logistic Regression algorithms

Technologies Used: Python, NLTK, Scikit-learn, Panda

3. Real-Time Face Recognition System: [CLICK HERE](#)

Description: Developed a real-time face recognition system using computer vision and machine learning techniques to identify individuals from live video streams.

Key Contributions:

- **Face Detection:** Utilized OpenCV's Haar Cascade classifier to detect faces in video frames.
- **Face Encoding:** Employed the 'face-recognition' library to generate facial feature encodings.
- **Database Integration:** Implemented a system to match live face encodings against a pre-existing database of known faces.
- **Real-Time Processing:** Ensured efficient real-time processing and display of recognition results on live video feed.
- **User Feedback:** Provided visual feedback on successful recognition by displaying names and drawing bounding boxes around detected faces.

Technologies Used: Python, OpenCV, face-recognition library, Pandas, NumPy
