

Chitwan Rana

Data Scientist

Bachelor in CSE (Artificial Intelligence and Machine Learning)

Chandigarh University, Mohali Punjab

+91-7251957211
✉ kushr4446@email.com
🐙 GitHub Profile
🌐 LinkedIn Profile

EDUCATION

- **Chandigarh University, Mohali Punjab** 2022
CSE (AIML) CGPA: 7.98 (till last sem)
- **D.A.V Public School** 2020
Intermediate - CBSE Percentage: 90.0

EXPERIENCE

- **BODHITA-MINDS - Django Intern** JUN-JULY 2024
ML Developer
 - Developed and Improve Document Management Tool Website called Document Manager.
 - Actively contributed to Django and Deep Learning development projects as a trainee .
 - Contribute in database management using Postgres SQL and engaged in hands-on learning and collaboration with senior developers.
- **PRODIGY-INFOTECH - ML Developer**
ML Developer
 - Analyzed Conducted comprehensive exploratory data analysis (EDA) to identify key features, handle missing data, and optimize data quality for model building.
 - Built and fine-tuned machine learning models using techniques like feature engineering, hyperparameter tuning, and cross-validation, achieving high predictive accuracy.

PERSONAL PROJECTS

- **SEVA (Healthcare App)**
Python / Machine Learning / Postgres SQL / Django
 - Predicting more than 132 diseases on the basis of symptoms provided by users.
 - Personalized recommendation like diet plan, exercise, workouts, do's and don'ts along with detailed description of predicted diseases and medication required.
 - Django integrated user-friendly website with an accuracy of 93 percent.
- **DEEPPFAKE ANALYSER**
Deep Learning / Django / Python / Postgres SQL
 - Developed a system to predict whether explicit or Deepfake content is AI-generated or not.
 - Integrated the detection model into a Django web application for user accessibility.
 - Built and optimized a multi-layer CNN with convolution, pooling, and fully connected layers, using data augmentation to improve generalization.
- **MEDIA-MATE**
Natural Language Processing / Django / Python
 - Created an NLP-based recommendation system that suggests songs, books, and movies based on user preferences and behavior patterns.
 - Integrated the recommendation engine with Django to build a fully functional web application, enhancing user experience and delivering real-time suggestions.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Java, Python, HTML, CSS, JavaScript

Skills: Data Manipulation and Analysis, Data Visualization, Scientific Computing, Machine Learning and Deep Learning, Natural Language Processing

Developer Tools: Git, GitHub

Frameworks: Django, Flask

Cloud/Databases: MySQL, PostgreSQL

ACHIEVEMENTS / CERTIFICATIONS

- **First Author of Published Research Paper** "A Comprehensive Overview of Machine Learning" and "Advance Diseases Prediction and Recommendation" in JETIR journal with an impact factor of 7.95.
- **Certification in Advanced Machine Learning** Completed from Great Learning, focusing on advanced techniques in ML.
- **Certification in Applied Machine Learning** Completed on Oracle, enhancing practical skills in machine learning applications.