

ABHAY RANA

AI/ML Development | Predictive Insights | Data-Driven Solutions

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SUMMARY

Detailed-oriented MCA graduate with a strong academic background and a BCA degree from Punjab Technical University. Proficient in Python, with hands-on experience in machine learning, data analysis, and visualization using Pandas, Scikit-learn, and Power BI. Recognized for outstanding contributions and performance during internship. A strong analytical thinker and collaborative team player, eager to deliver impactful, data-driven solutions.

EXPERIENCE

Ai/ML Developer

Pisoft Informatics Pvt

📅 12/2024 - Present ✅ Mohali, India

🔗 <https://github.com/abhirana780/Pimeet>

- Designed, developed, and deployed a Convolutional Neural Network (CNN)-based facial recognition system for automated employee attendance tracking, improving accuracy and eliminating manual errors.
- Currently developing an AI-enabled monitoring tool to track and analyze employee system usage patterns, aimed at enhancing workflow transparency and strengthening security compliance.
- Legal Defense Pro (Nyaya Project) — Created an AI-powered legal defense assistant during internship, integrating NLP and ML models to analyze case data and suggest defense strategies.
- Workshops & Training — Led engaging technical workshops on Machine Learning and Python Programming, mentoring participants in practical, hands-on problem-solving.
- Internship Achievements — Earned performance-based recognition, entrusted with advanced AI/ML projects, and offered a full-time role in the same company due to exceptional contributions.

EDUCATION

Master of Computer Application (MCA)

Himachal Pradesh University

📍 Shimla, India

- Successfully completed MCA from Himachal Pradesh University, Shimla, with a specialization in advanced computing concepts, gaining in-depth expertise in software development, data analytics, and AI/ML technologies.

Bachelor of Computer Application (BCA)

Punjab Technical University

📅 2020 - 2023 ✅ punjab

- Achieved 90% academic record with a comprehensive understanding of computer applications

GPA

9.0 / 10

Secondary Education

D.A.V. Public School

📅 2019 - 2020 ✅ Una, India

- Secured 76.8% in Secondary Education, laying a strong academic foundation.

GPA

7.6 / 10

TECH STACK

Programming & Data

Python · NumPy · Pandas — data wrangling, feature engineering

Machine Learning & Boosting

Scikit-learn · XGBoost · LightGBM — classical ML, model tuning

Deep Learning:

TensorFlow · PyTorch · Transformers — CNNs, transfer learning, sequence models

Computer Vision & Face Recognition

OpenCV · dlib · DeepFace — image preprocessing, detection & recognition pipelines

NLP & LLMs:

Hugging Face (Transformers & Hub) · LangChain · OpenRouter API — fine-tuning, RAG, conversational agents

Visualization & BI

Matplotlib · Seaborn · Power BI Dashboards — EDA, storytelling, executive reporting,

Deployment & Prototyping

Streamlit · Render · Netlify · Railway — interactive apps, cloud hosting, rapid deployment

RECOGNITIONS

Best Project Award

Recognized for the best project by Ex-Chief Minister of Punjab, highlighting innovative project development skills.

Science Fair Awards

Secured first position multiple times at district-level science fairs, showcasing strong competency in scientific research.

Project Representation Certificate

Participated in Children Science Congress, earning a certificate for effective project presentation and representation.