Archit Jain

+91 8595875456 | architjain2501@gmail.com
|www.linkedin.com/in/architjain01|Delhi,India

WORK EXPERIENCE

Up Skill Campus (Remote)

Machine Learning Intern **Jun2025- Jul2025**

- Built and optimized ML models (Random Forest, Decision Tree) to forecast traffic patterns, improving prediction accuracy by 18%.
- Cleaned and processed 15,000+ data points using pandas and NumPy to enable robust model training.
- Generated data visualizations using matplotlib and seaborn for final project presentation to mentors and peers.
- Collaborated in a 5-member remote team, contributing to a fully documented and reproducible codebase via Git.
- Applied supervised learning algorithms via scikit-learn, benchmarking model performance using RMSE and accuracy metrics.

EDUCATION

Amity University, Uttar Pradesh **Sep2022 -Apr 2026**

Bachelor of Technology
Relevant Coursework: Data Structures using C, Object Oriented programming using C++, introduction to computer and Programming in C, Java Programming, Python for Data Science, Artificial intelligence, Machine Learning and its applications

Lovely Public School, PD Vihar **Apr2021-Mar 2022**

High School, CBSE Board
Field of Study: Science with Physical education

TECHNICAL SKILLS

- Languages: C, C++, Python, Java, SQL
- Web: HTML, CSS, JavaScript, React, Node.js
- Databases: MySQL, Oracle, MongoDB, Big Query, Looker
- Tools: Adobe Photoshop,Adobe illustrator, Adobe premiere pro,Figma
- Frameworks & Libraries: Tensorflow, Django, Terraform, GitLab, Springboot, Py Torch, Scikit-learn.

PROJECTS

Multi-Label Genre Classification of Movies From Their Posters

- Developed an AI-powered outfit recommendation system using Python, Streamlit, and OpenCV that suggests outfits based on wardrobe data, weather, events, and skin tone.
- Implemented color and pattern analysis with K-means clustering and integrated external APIs (Google Calendar & OpenWeatherMap) for personalized styling.
- Designed a scoring engine to rank outfits, achieving an 85 % user approval rate and 40 % reduction in irrelevant suggestions during testing.
- Optimized processing to handle 100+ wardrobe items with <1 s latency per recommendation.

AI-Powered Resume Shortlisting Tool

- Built an NLP-based tool that analyzes resumes and job descriptions to generate match scores using TF-IDF and cosine similarity, achieving 85% accuracy across 50+ test cases.
- Extracted and compared key skills using Python, spaCy, and scikit-learn; implemented PDF parsing and keyword gap analysis to identify missing qualifications.
- Established a modular backend using Flask with optional web interface for recruiters to upload resumes and view shortlisting insights in real time.
- Reduced manual screening time by 60% through automated ranking and skill-matching output.

Cryptography Application

- Developed a cross-platform encryption application in Python utilizing PyCryptodome, integrating AES, DES, and Caesar Cipher algorithms to enable secure file encryption and decryption for 100+ users.
- Implemented secure key management protocols and file integrity verification, decreasing unauthorized file modifications by 40% and strengthening overall data protection.
- Designed and integrated an intuitive interface with automated encryption status reporting, increasing user satisfaction by 20% and implementing industry-standard cybersecurity protocols**.**

CERTIFICATIONS

- Introduction to Model Context Protocol – Anthropic
- AWS Cloud Essentials – Amazon Web Services
- Introduction to Cybersecurity – Cisco
- Generative AI Fundamentals – Google
- Machine Learning with Python – IBM
- Python with Data Science- IIT Madras

ACHIEVEMENTS

- Secured 3rd place (out of 160 teams) in Cyber Cup 4.0 – National Hackathon organised by Amity University Noida (2024)