

# Kanishk Purohit

Udaipur Rajasthan | P: +91\_9511302756 | kishupurohit1@gmail.com | linkedin.com/in/kanishk-purohit-55108b25a | github.com/SkyDancer45

## EXPERIENCE

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### Tech Intern (Cloud and CyberSecurity) – Celebal Technologies

Senior Analyst, Business Development & Operations

JUN 2024 – Jul 2024

- I handled the DEVOPS side of cybersecurity. I created virtual frameworks that were safe secure and conducive to continual business operations
- Became Proficient with Microsoft Azure
- Implemented the CIA Triad
- Contact HR: Priya Soni – priya.soni@celebaltech.com

## Project

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### Handwritten Digit Recognition System- Jaipur

(02/2024-03/2024)

- Developed a robust handwritten digit recognition system capable of accurately classifying images of handwritten digits. Implemented a deep learning model using TensorFlow/Keras to extract relevant features from image data. Achieved [ 98% accuracy] on the MNIST dataset. Demonstrated proficiency in image preprocessing, model architecture design, and hyperparameter tuning.
- **Tech Stack:** Python, TensorFlow/Keras, NumPy, Matplotlib, Linux/UNIX.
- Implemented data preprocessing techniques to enhance model performance. Conducted experiments with different model architectures and hyperparameters to optimize results.
- Demonstrated proficiency in using Python libraries for image processing, deep learning, and visualization.

### Intelligent Fashion Advisory System – Jaipur

Project Lead, R&D Head

03/2024-03/2024

- Led a high-performing team to develop a groundbreaking fashion advisory system during a 36-hour hackathon, securing a top-6 finish out of 108 teams.
- This behemoth task required a back-breaking cycle of Researching, Implementing and Troubleshoot(ing)
- Developed a cutting-edge fashion advisory system that revolutionizes the shopping experience. By integrating computer vision, natural language processing, and machine learning, we created a smart mirror capable of providing real-time style recommendations.
- The system leverages advanced object detection and image recognition techniques to identify and categorize clothing items accurately, followed by a deep neural network to generate tailored fashion advice based on a comprehensive understanding of style trends and individual preferences.
- This innovative solution merges the physical and digital worlds, delivering personalized styling recommendations directly to the customer.
- **Tech Stack:** Python, TensorFlow/Keras, OpenCV, Natural Language Processing, Computer Vision, Machine Learning, ASPDotnetCore, Entity Framework, Linux/UNIX

### Movie Recommendation System – Jaipur

06/2024-07/2024

- Developed a robust movie recommendation system to enhance user experience by predicting preferences based on historical viewing data. Employed Matrix Factorization to uncover latent user and item features, enabling accurate rating predictions.
- Successfully implemented a data pipeline to process the MovieLens dataset and trained a PyTorch-based model achieving a Mean Absolute Error (MAE) of [.99]. Leveraged K-Means clustering to uncover latent movie similarities. Demonstrated proficiency in Python, TensorFlow, NumPy, Pandas, and Scikit-learn.
- **Tech Stack:** Python, TensorFlow, NumPy, Pandas, Scikit-learn, Jupyter Notebook, Linux/UNIX
- This innovative solution merges the physical and digital worlds, delivering personalized styling recommendations directly to the customer.
- Built a PyTorch-based model to learn latent user and item representations. Achieved 0.99MAE on the MovieLens dataset. Explored advanced techniques like K-Means clustering to analyze movie similarities based on learned embeddings.
- It was also my first Scalable system, to incorporate scalability we used strong ML practices.
- Demonstrated proficiency in using Python libraries for data manipulation, machine learning, and visualization.

## EDUCATION

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**BTECH CSE 3rd year(entering) – Manipal University Jaipur --- Jaipur Rajasthan India** 07/2022-Present  
CGPA-8.38  
**12th – RockWoods High School – Udaipur Rajasthan India 313002** 04/2021-04/2022  
Boards Average 83.33%  
Physics Chemistry Math Pathway  
**10th – Woodbridge High School – Irvine California, USA 92604** 04/2021-04/2022  
Boards Average 83.33%  
AP Chemistry, AP Physics, AP computer Science Principles

## ADDITIONAL

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**Skills:** Python,R,Aritifical Intelligence,Machine Learning,System Design,Problem Solvine,Software Development(SWE),DSA,Data Compression,C/C++,Java,React/NPM suite,Resftul/CRUD API,ASP Dotnetcore,c#SQL, PHP, JavaScript, HTML/CSS, MATLAB, Python,Linux,Entity Framework

**Languages:** Fluent in English, French; Conversational Proficiency in Spanish, German

**Certifications & Training:** Google Professional Cybersecurity Certificate, NPTEL DSA Python Certificate