

WORK EXPERIENCE

Superteams.ai

AI Developer Intern

Indore, India

Aug 2024 - Present

- Implemented an advanced image generation feature using Flux.1 technology, enabling text-to-image and image-to-image creation. This innovation increased user engagement by 40% and expanded platform capabilities. Authored a technical blog on [fine-tuning-flux.1](#), attracting 5,000+ views and fostering developer community engagement
- Optimized a comprehensive Django-based API system for [network.superteams.ai](#), implementing course management, job posting, and AI-powered parsing. Integrated Graylog for centralized logging and monitoring, enabling real-time error detection and performance tracking. This improved platform efficiency by 80% and reduced job posting creation time by 70%.
- Launched a centralized developer platform with API documentation, resources, and custom authentication systems, increasing developer productivity by 60% and reducing support inquiries by 45%. Integrated an AI-powered resume extraction feature using OpenAI's API, streamlining the recruitment process and decreasing unauthorized access attempts by 90%.
- Optimized big data processing by implementing Apache Spark with NVIDIA RAPIDS, leveraging GPU acceleration to achieve up to 50% faster execution times on data operations, improving the efficiency of large-scale data analysis.

Amber Designer – Co-Founder & Entrepreneur

Fashion & Accessories Startup

Indore, India

2018 - 2023

[www.amberdesigner.store](#)

- Led development of a scalable apparel rental e-commerce platform with real-time booking features, Razorpay integration for secure payments, AWS S3 for file storage, and GCP APIs for live order tracking—driving 20% annual revenue growth and expanding operations from 1 to 6 outlets.
- Engineered full-stack solutions using Node.js, Express.js, Ruby on Rails, AJAX, and MongoDB, building reusable front-end interfaces and cloud-based backend services that boosted customer engagement and significantly improved retention.

PROJECT WORK

Knowledge Graph

- Engineered end-to-end NLP pipeline using OpenAI's GPT-3.5-turbo to extract 50+ semantic relationships/chunk from unstructured text.
- Integrated Neo4j graph database with automated cleanup/visualization, reducing manual data modeling time by 65%.
- Designed hybrid storage system combining vector embeddings (LlamaIndex) with graph relationships for enhanced query capabilities.

Product Barcode Generation Website

- Constructed a web application to streamline product management and barcode generation for efficient inventory processes. This application included database management for handling over 1,000 product entries and ensured seamless barcode scanning functionality.
- Implemented data validation techniques to guarantee accurate barcode generation and scanning. This led to a 70% reduction in manual product lookup time, significantly improving operational efficiency and inventory management.

Movie Recommendation System

- Developed a recommendation system using Python to suggest movies based on cosine similarity of movie features, leveraging libraries like Pandas, NumPy, and Scikit-learn for data manipulation and similarity calculations.
- Achieved 85% recommendation accuracy by implementing cosine similarity, significantly enhancing user experience through personalized movie suggestions that aligned with user preferences.

Food Item Recognizer

- Crafted a deep learning model to classify food items and estimate calorie content, designed for health-conscious users. The model utilized TensorFlow and Keras, leveraging the InceptionV3 architecture and cloud-based training on Google Colab.
- Addressed dataset imbalance in the Food-101 dataset through data augmentation, improving model performance by 80% and increasing classification accuracy for food items, enabling more reliable calorie estimation for users.

EDUCATION

Bachelor of Technology in Information Technology + Artificial Intelligence

Medi-Caps University

Indore, India

Aug 2021 - Present

High School Diploma

Choithram School North Campus, Indore, Madhya Pradesh

Indore, India

Apr 2020

TECHNICAL PROFICIENCY

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

Frameworks & Libraries: Flask, Django, Pandas, Scikit-Learn, TensorFlow, PyTorch, Keras, NumPy, NVIDIA RAPIDS, REST APIs

Developer Tools: Linux, Git, Apache, GitLab, Terraform, Postman, Docker, CI/CD

Databases: MySQL, Azure AI Search, PostgreSQL