

WORK EXPERIENCE

Superteams.ai

AI Developer Intern

Indore, India

Aug 2024 - Present

- Created an image generation feature using Flux.1, enabling users to create visual content through both prompt-based inputs and image-to-image generation. This significantly enhanced user engagement and broadened the platform's creative functionality. Additionally, shared insights on fine-tuning Flux.1 through a detailed blog, further showcasing expertise in leveraging advanced AI tools. ([fine-tuning-flux.1 Blog](#))
- Designed and integrated multiple APIs using Python and Django to optimize data flow between the backend and frontend, improving application efficiency by 80%. This led to faster response times and a smoother user experience. Additionally, Launched a developer website for the company ([developers.superteams.ai](#)), streamlining access to API documentation and resources, enhancing collaboration for external developers.
- 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, significantly improving the efficiency of large-scale data analysis.

Prodigy Infotech

Software Development Intern

Indore, India

June 2024 - July 2024

- Completed key projects including a web scraper (automating data collection by 60%), a Sudoku solver with 95% solution accuracy, and a contact management system with an enhanced user interface, improving user satisfaction by 40%.
- Gained proficiency in Python programming, data processing, and algorithm development, and strengthened analytical capabilities through hands-on applications, contributing to streamlined data handling and user interface improvements.

Amber Designer – Co-Founder & Entrepreneur

Fashion & Accessories Startup

Indore, India

2018 - 2023

[www.amberdesigner.store](#)

- Established a scalable apparel rental platform, forming strategic logistics partnerships to serve over 10,000 customers and drive 20% annual revenue growth, expanding operations from one to five outlets across major markets.
- Led cross-functional initiatives within Amber Group to enhance affordability through horizontal integration, resulting in a 100% increase in customer demand over five years and substantial improvements in customer retention.

PROJECT WORK

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/TypeScript, HTML, CSS

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

Developer Tools: Linux, Git, Apache, GitLab, Terraform, Postman

Databases: MySQL, Azure AI Search, PostgreSQL