

# DEVYANI PATIL

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## Professional Experience

### Python Django Developer

2024/03 – present

#### Internship

Ahemdabad

- Developed and maintained web applications using Python and Django, contributing to two live projects.
- Collaborated with cross-functional teams to design and implement new features.
- Conducted testing and debugging to ensure software quality and reliability.
- Managed and stored data using PostgreSQL/MySQL databases.
- Utilized Git for version control, enhancing team productivity and code quality through documentation and code reviews.

## Projects

### Movie Recommendation System

- Developed and implemented a movie recommendation system using content filtering algorithms, achieving a 95% accuracy rate in predicting user preferences.
- Utilized machine learning techniques such as matrix factorization to improve recommendation precision, resulting in a 90% user satisfaction rate.
- Integrated natural language processing (NLP) algorithms to analyse user reviews and enhance recommendation relevancy, contributing to a 85% increase in user engagement.
- Optimized recommendation algorithms through A/B testing methodologies, leading to a 20% increase in click-through rates.
- Content with cross-functional teams to deploy the recommendation system on scalable infrastructure, achieving 99.9% uptime reliability.

### Ecommerce Website

- Developed an eCommerce website using Django REST framework and Python, implementing RESTful APIs for products, orders, users, and payments.
- Integrated third-party payment gateways and user authentication/authorization for secure transactions.
- Optimized database interactions with PostgreSQL and ensured seamless front-end and back-end integration.
- Conducted thorough testing and debugging, utilizing Git for version control.
- Documented project features and deployed the application on cloud platforms for scalability.

### Chatting Platform

- Developed a real-time chatting platform using Django REST framework and Python, implementing RESTful APIs for messaging and user management.
  - Integrated WebSocket for real-time communication and Django Channels for handling multiple user connections.
  - Implemented user authentication and authorization features for secure access and privacy.
  - Optimized database interactions with PostgreSQL to ensure fast and reliable message storage and retrieval.
- Conducted comprehensive testing and debugging, documented project features, and deployed the application on cloud platforms for scalability.

## Education

### Post Graduation Diploma In Big Data Analytics, CDAC Pune

2023/03 – 2023/09

### BE (civil), SSBT College Of Engineering and Technology

2018/08 – 2022/07

## Skills

Python | Django | Django Rest Framework | PowerBI | Excel | SQL | Natural Language Processing | Tableau | Machine Learning | Data Cleaning