

Prerna Shekhawat

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PROJECTS

Review Miner

MediaAMP.

Review Miner is a sophisticated web application designed to scrape and analyze Amazon listings, product detail pages (PDPs), and reviews. Built with Python and Flask, it leverages Celery and Redis for scalable task management, ensuring efficient data handling and high-quality software through thorough testing and debugging.

- Developed scalable and robust web applications using Python and Flask framework.
- As a Integrated Celery with Redis for scalable task management, storing large volumes of structured data in a database.
- Scraped Amazon listings, PDPs, and reviews using subprocesses, improving data collection efficiency by 40%. Conducted thorough testing and debugging to ensure high-quality software.

TimeChronos

MediaAMP.

TimeChronos is a time management website designed for professionals and businesses to streamline time tracking. It features an intuitive interface and powerful tools for tracking time based on client, project, and task, along with an innovative approval workflow. TimeChronos simplifies time management.

- As a Backend Developer, I developed and integrated RESTful APIs with Flask, using SQLAlchemy and Marshmallow for data modeling and validation.
- Integrated user-facing elements with server-side logic in collaboration with frontend developers.
- Managed Redis for session handling and deployed the application on Amazon EC2 with S3 for static files, ensuring 99.9% uptime.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Microsoft Certified: Azure AI Fundamentals, Udemy SQL Programming, Udacity – Introduction to Generative AI with Google Cloud , LinkedIn Python Object Oriented Programming
- **Skills:** Python, Flask, HTML, CSS, Javascript, Bootstrap, Postgres, MySQL, & MongoDB , ORM, Postman, Restful APIs, Docker, Microservices Architecture, AWS (EC2,S3,RDS) & Git & GitHub
- **Interests:** Reading books, Travelling,Passionate about building full-stack applications, Excited about exploring and working with new technology stacks.

PROFESSIONAL EXPERIENCE

MediaAMP *Full Stack Developer*

Jan 2024 – Present *Ahmedabad,Guj.*

- Developed and maintained the **Review Miner** and **TimeChronos Software**, enabling users to upload photos, track employee work hours, and manage project assignments.
- Implemented features for sharing events and downloading images, enhancing user engagement and functionality.
- Utilized **React** for building responsive user interfaces and **Flask** for backend development, ensuring efficient dataflow and seamless integration.
- Gained proficiency in **SQLAlchemy** and **Marshmallow** for data modeling and validation, improving backend efficiency.

INTERNSHIP EXPERIENCE

Let's Grow More *Data Science Intern*

May 2023 - July 2023 *Virtual Intership*

Stock Price Prediction: Implemented LSTM models to analyze historical stock market data, achieving 80%+ accuracy in forecasting trends, leading to optimized investment decisions and a 25%+ increase in portfolio returns.

- Created a predictable model for forecasting stock prices based on historical data.

Graph Toolformer : Constructed a knowledge graph for Sri Aurobindo's books data, synthesizing complex information to create a visually intuitive representation.

- Implemented Neo4j database to efficiently catalog and manage data from Sri Aurobindo's books, resulting in a 50% reduction in data entry errors and a 30% increase in data accessibility for research and analysis.

EDUCATION

Poornima University

2022 - 2024

Master's of Computer Applications

Jaipur, Raj.

- 9.0 CGPA

Rajasthan University

2019 - 2022

Bachelor's of Computer Applications

Jaipur, Raj.

- 7.68 CGPA

ACHIEVEMENTS & AWARDS

- Completed Microsoft Learn AI Skills Challenge.
- NSP(Non-Syllabus Project) – Project manager among 2+ students.