Aditya Tipre

609-955-4108 | [Github](#) | atipre@purdue.edu | https://www.linkedin.com/in/aditya-tipre/ | U.S Citizen

EDUCATION

Purdue University West Lafayette, IN

B.S in Computer Engineering, Minor in Mathematics

Relevant Coursework

Object Oriented Programming (Java), C - Programming, Multi-variable Calculus, Linear Algebra, Discrete Mathematics

Clubs

Purdue Space Program: Liquids Team Member, Purdue Math Club, Boiler Blockchain

EXPERIENCE

- Data Engineer Intern June 2024 – Present

Optimal Strategix Group - OSG *Remote*

- Developing a comprehensive web scraping pipeline using Beautiful Soup and Selenium to extract reviews and discussions from medical forums, Reddit, review sites, and news articles.
- Designing and implementing a robust data pipeline in MongoDB for collecting, cleaning, and storing scraped data.
- Utilizing LLMs and open-source models for Named Entity Recognition (NER) to identify domain-specific entities, and conducting sentiment analysis at both sentence and aspect levels using Hugging Face.
- Creating dynamic PowerBI dashboards to transform raw data into actionable business intelligence insights.

- PSP Liquids: Back End Developer August 2023 – May 2024

Purdue Space Program: A SEDS Chapter *West Lafayette, IN*

- Developed a React component, PSPieChartPlugin, to integrate real-time data updates with a WebSocket server.
- Established a WebSocket connection to receive data, parsed JSON messages, and triggered listeners based on unique identifiers.
- Demonstrated proficiency in handling real-time data, managing configurations, and ensuring effective communication between different parts of the rocket their respective applications

PROJECTS

Marketplace | *Java, Git*

- * Utilized object oriented concepts and concurrency to build a marketplace application for merchants and buyers. Facilitated the creation of white labelled stores and customer support communications.
- * Used File reading techniques to utilize CSV files to be utilized by sellers to both import and export products
- * Programmatically parsed CSV files to enable the batch upload of products for merchants.
- * Enabled CRUD operations for merchants on their respective products.
- * Created user workflows for merchants and delegated tasks amongst the project team.

Landing Page | *HTML, CSS, JavaScript*

- * Created a fully responsive, personal website using HTML, CSS, and JavaScript, showcasing professional experiences, projects, and current endeavors.
- * Implemented Google Tag Manager to track website performance and gather insights on user interactions, optimizing site content based on analytics data.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, TypeScript/JavaScript, Latex
Frameworks: React, Node.js, MySQL, MacOS, Linux
Developer Tools: Git, Docker, Google Collaboratory, VS Code, Visual Studio, IntelliJ, Eclipse
Libraries: NumPy, Matplotlib, pyTorch, OpenCV, TensorFlow, Gradio

SOFT SKILLS

Languages Spoken Fluently: Hindi, Marathi, English