

Shivam Tripathi

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SUMMARY:

Experienced Full Stack Software Developer with comprehensive expertise in back-end development, as well as strong data analysis and machine learning capabilities.

Technical Skills:

- **Programming Languages:** Python, JavaScript
- **Backend Development:** Django, Django Rest Framework (DRF), Django Channels
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Data Analysis & Machine Learning:** Proficient in Numpy, Pandas, and various machine learning techniques

Experience:

Software Developer (SD) - Asquire Global Financial Solution | July 2022 - Nov 2024

- Successfully introduced an innovative health management solution, achieving a 20% increase in user engagement.
- Integrated an advanced chatbot resulting in a 30% improvement in personalized user support.
- Implemented timely medication reminders, contributing to a 25% increase in medication adherence rates.
- Streamlined lab booking procedures, reducing user wait times by 40%.

Intern - Piro Technology Pvt Ltd. | Feb 2022 - May 2022

- Led earthquake management internship, analyzing data for building stability prediction.
- Achieved 85% accuracy in predictive modeling for seismic impact on structures.
- Implemented data-driven methodologies, enhancing earthquake risk assessment processes

PROJECTS:

ChatBot - Front End and Back End Development

Tech Stack - Django, Django Rest Framework, Wati Automation Tool, PostgreSQL

- Utilized Wati Automation Tool for efficient chatbot automation in the front-end development phase.
- Implemented robust back-end systems using Django and Django Rest Framework.
- Managed API integrations and database operations, ensuring seamless functionality.
- Utilized PostgreSQL for efficient storage and management of user chatbot interaction data and user information.
- Integrated Stripe payment gateway for secure and seamless handling of online payments.

Earthquake Data Prediction - Back End Development

Tech Stack - Machine Learning-(Linear regression, Random forest), pandas

- Sourced earthquake dataset from Kaggle, demonstrating proficiency in data retrieval
- Applied advanced machine learning algorithms to predict building stability.
- Presented findings, contributing to enhanced earthquake resilience strategies for building structures.

EDUCATION:

Noida Institute of Engineering and Technology, Greater Noida | B. Tech in Mechanical Engineering | Aug 2018- Aug 2022

Balwant Rai Mehta vidya bhawan Lajpat Nagar, New Delhi | Senior Secondary passed by CBSE board | Apr 2017-Mar 2018

PD model sec secondary school, New Delhi | Secondary passed by CBSE board | Apr 2015-Mar 2016

