

NEHA KOLAMBE

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Education

Sardar Patel Institute of Technology

Aug. 2018 - May 2022

Bachelor of Technology in Information Technology, CGPA: 9.07/10

Mumbai, India

Experience

Deutsche India Pvt. Ltd., Deutsche Bank Group (45hrs/week) | Senior Analyst

Jul. 2022 - Present

- Developing aggregate reports to calculate Interest rate risk (delta NII and delta EVE) of the bank
- Worked on developing the most crucial component called Master Data Management using Java, and Spring Boot
- Effectively deployed the revamped application on OpenShift Fabric using their managed Kubernetes services and creating Helm charts, ensuring robust containerized deployment and resource optimization

Panel Technologies India Private Limited | Web Development and Research Intern

Jan. 2022 - Jul. 2022

- Developed a recommendation system using hybrid filtering methods to suggest products to inculcate in the company
- Used to be engaged in entire release processes and learned about development lifecycle
- Worked on refactoring of the website

Sardar Patel Institute of Technology | Teaching Assistant

Mar. 2021 - Jul. 2021

- Mentored a group of junior students throughout their academic research journey
- Assisted in research paper guidance and guided conferences for paper publication

Panel Technologies India Private Limited | Web Developer Intern

Oct. 2020 - Nov. 2020

- Worked on creating their website and releasing it live on the internet
- Did content writing along with business logistics and client coordination

Projects

Detection of Mental Disorder on Social Platform - [Link](#) | Python, Flask, LSTM, ML, Bootstrap

February 2022

- Built a system that performed comparative analysis on data collected from users' social network accounts over a specified period, encompassing various platforms
- Implemented the prediction of the likelihood of the top three mental disorders based on the completed analysis
- Conducted a survey with basic questions about feelings, enabling users to discover if they were experiencing any specific illness
- Additionally, compared the deployed model of accuracy of 97% with a benchmark for evaluation

Farming Made Easy using Machine Learning - [Link](#) | Python, Scikit-learn, Flask, Socket, Bootstrap

May 2021

- Addressed the challenge of obtaining accurate historical harvest yield data for informed agricultural decisions
- Implemented a framework that predicted crop prices by analyzing previous pricing and weather information, facilitating farmer connectivity and reducing costs
- The user-friendly system, featuring regional language guides and a precise model, offered accurate crop price predictions and recommended fertilizer ratios based on atmospheric and soil parameters
- Integrated a shopbot for purchasing recommended items, a chatbot for farmer communication, and informative videos to enhance understanding

Early Warning System | Python, Flask, MySQL, JavaScript

February 2021

- Task involved constructing a weather-sensitive alert system for patients with weather-sensitive conditions, coupled with reminders for pill dosage and real-time dosage tracking
- Worked on predicting future weather information to help weather-sensitive patients and provided a Google map for locating nearby hospitals

Pharmacy Management System | PHP, Ajax

April 2020

- Successfully automated the manual record-keeping system for counter sales, purchases, reorder levels, and financial positions of suppliers and customers
- This application, designed to streamline stock and cash flow management, has potential applicability for any store seeking to automate similar record-keeping processes

Technical Skills

Languages: Python, Java, C, HTML, CSS, JavaScript, PHP

Frameworks: Spring, Spring Boot, React, Django, Flask, Tkinter

Database: SQL, MySQL, Oracle PL/SQL, MSSQL, PostgreSQL, MongoDB

Tools: Junit, Mockito, Git, Docker, Kubernetes, Openshift Fabric, Bitbucket, WordPress, Tableau

Coursework: Advanced Data Structures, Object Oriented Programming, Software Engineering, Computer Networks, Advanced Database Systems, Data Warehousing and Mining, Machine Learning Lab, Data Analytics, Soft Computing

Leadership & Extracurricular

- Is an active member of the Women in Technology session held in Deutsche Bank which includes Women in Data Science to enrich my technical understanding
- Participated in the college fest's Cultural Committee, where I organized and scheduled cultural events throughout the academic year
- Dedicated 30+ hours to cleaning up beaches in Mumbai as a volunteer with Mr. Afroz Shah (UN Champion of The Earth) and his team