

Samyak Paharia

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Education

Birla Institute of Technology & Science Pilani, Hyderabad Campus (BITS Pilani), India

Nov'20 - Jun'24
(expected)

- *Bachelor of Engineering (B.E) in Electronics and Instrumentation* | CGPA: **7.01**
- Minor in Computing and Intelligence

Vidydharm Higher Secondary School, India

Jun'18-Jun'20

- *MSBSHSE (Class XII)* | Aggregate: **88.46%**

Skills

C++ | C | Java | Python | NumPy | Pandas | Matplotlib | Seaborn | TensorFlow | Keras | Scikit-Learn | HTML | CSS | JavaScript | Tailwind | React.js | Node.js | Express.js | MongoDB | MySQL | Spring Boot | Git |

Work Experience

Standard Chartered GBS | Technology Intern

Jul'23 - Dec'23

- Developed a **responsive React UI component** with a **button** that **filters options** based on user input, enhancing client-side interactivity.
- Crafted a corresponding **Spring Boot MVC API** to **manage filtered requests**, facilitating seamless **full-stack feature integration**.
- Spearheaded the **design of a robust database infrastructure** using **MySQL** to store and manage resilience experiment data, including test cases and results which enabled more **organized** and **efficient data retrieval** and **analysis**.
- Created a **Python, NumPy, and Pandas** tool **reducing** log analysis time from **hours** to **seconds**.

Arema Technologies | Frontend Developer Intern

May'22 - Jul'22

- Developed a professional-grade **Product Landing page** for a client of Arema Technologies using the latest web technologies, including **HTML5, CSS3** and **JavaScript**.
- Integrated a **React component** with **in-memory database hooks** into a client's existing project, enhancing functionality with **stateful, client-side data management**.
- Utilized **strong communication** and **problem-solving skills** to work closely with the client to understand their needs and requirements, which ensured that the final product met the client's expectations and was delivered on time.

Projects

Kirana Store- [Link](#)

- Developed a **ReactJS** and **Spring Boot** based web application for Kirana Store, featuring a **dynamic admin and manager dashboard** for stock management and product additions. Also, admin can add managers.
- Implemented a **MySQL** database to support robust data handling and **user authentication**.
- Integrated a specialized **delivery module** for delivery personnel, **enabling order tracking** and address-specific **delivery assignments** by admin and managers.

Stock Market Price Prediction using LSTM and Genetic Algorithm - [Link](#)

- Developed an **LSTM-Based Stock Market Price Prediction** model using **Genetic Algorithm Optimization**, achieving **improved accuracy** compared to traditional LSTM models.
- Utilized **Python** libraries such as **TensorFlow, Keras, Pandas, NumPy** and **Scikit-learn** to preprocess and prepare data, construct, and train LSTM models, and optimize model hyperparameters using genetic algorithm techniques.
- Demonstrated **strong problem-solving skills** by leveraging genetic algorithms **to optimize complex model parameters** and **improve the predictive power** of an LSTM-based model.

Courses

Object Oriented Programming | Operating Systems | Database Systems | Data Structures and Algorithms | Machine Learning | Artificial Intelligence | Probability and Statistics