

Manish Panwar

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Experience

HPHTechnology LLP

September 2023 - Present

Associate Software Engineer

Bangalore, Karnataka

Invoice Generator

- Developed a comprehensive invoice generator web application using **React.js** with **Ant Design** for UI components. Backend services were created using **Strapi**, enabling seamless data management and customization with Refine.
- Implemented backend **API services** to manage CRUD operations for invoice data.
- Designed database schema to ensure efficient data storage and retrieval, including tables/collections like **Product**, **Type**, **Producttype**, **Tax**, **Invoice**, **Invoiceltems**, **Purity**, and **Customer**.
- Built a dynamic feature that auto-populates **Producttype collection** with combinations of **Product** and **Type** entries.
- Implemented an invoice **Search Filter** for quick retrieval by **InvoiceNo**.
- **Technologies:** UI: HTML/CSS, TypeScript, React.js, Ant Design; Backend: Strapi (CMS)

Community Business and Emeelan Platform

- Contributed as a core team member to enhance features and improve performance for this platform.
- Built a custom **REST API** that returns counts of **Business Types** for client-side tables, verified with **Postman**.
- Optimized the **Dashboard** component to reduce landing page loading times and implemented pagination for all tables to enhance data retrieval efficiency based on **pageSize** and **current page**.
- Created a service to **import Pincode data** into a PostgreSQL collection for streamlined access.
- Cleaned and imported data from Excel to **Postgres** for testing purposes.
- **Technologies:** UI: HTML/CSS, React.js, Ant Design; Backend: Strapi (CMS); Database: PostgreSQL; Tools: Docker, Postman

Projects

Drowsy Detection System | Python, OpenCV, TensorFlow, Keras

- * Developed a real-time drowsiness detection system to enhance safety in industries such as transportation, healthcare, and manufacturing. The system monitors facial expressions and eye movements to detect signs of drowsiness.
- * **Key Features:** Real-Time Monitoring, Fatigue Detection, Warning System for Safety Enhancement, Integration with Existing Surveillance Systems.
- * **Impact:** Reduced the risk of accidents by providing early warning signs, thereby enhancing productivity and safety.

Data Management System | React, Java, Spring Boot, MySQL

- * Built a data management system using **Java** and **Spring Boot** for seamless CRUD operations on MySQL databases. Utilized Spring Boot's framework for efficient database interactions and data handling.
- * **Features:** REST API Endpoints, CRUD Operations, Data Validation, Secure Access Control, Integration with MySQL.
- * **Impact:** Improved data accessibility and accuracy for users, streamlining data management tasks.

School Pickup Authorization System | React, Node.js, Express, MySQL

- * Developed a secure authorization system for school pickup, allowing parents to designate authorized individuals for child pickup. Implemented role-based access to enhance the security and efficiency of the dismissal process.
- * **Role-Based Access Control:** Provided distinct logins for parents and school staff. Parents can manage their pickup requests, while staff can approve, reject, or organize requests by student.
- * **Key Features:** Real-Time Authorization, Secure Data Handling, Intuitive User Interface, Role-Specific Access Levels.
- * **Impact:** Enhanced student safety and reduced dismissal time, ensuring organized and streamlined pickup management.

Technical Skills

Languages: C, Java, Python, R, TypeScript, HTML, CSS, JavaScript

Frontend Frameworks and Libraries: React.js, Tailwind CSS, Bootstrap, Ant Design

Backend Technologies: Flask, Spring Boot, Node.js, Express, Strapi (CMS)

Database Management: MySQL, PostgreSQL, MongoDB

Concepts: Object-Oriented Programming (OOP), Data Structures and Algorithms, Compiler Design, Operating Systems, Network Security, Cloud Computing

Tools and Platforms: Visual Studio, PyCharm, IntelliJ IDEA, GitHub, Docker, Postman

Version Control: Git, GitHub

Communication Skills: Fluent in Hindi and English

Certification

Universal Academy

2020

Certificate of C and C++ from Universal Informatics

Coding Ninja

2022

Certificate of Java from Coding Ninja

Education

Medicaps University Indore

Aug 2019 - May 2023

Bachelor of Computer Science

Indore, Madhya Pradesh

* **Relevant Coursework:** Computer Science and Programming