

VIDHYASAGAR S

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Professional Summary

Software Engineer with 1.5+ years of hands-on experience in building production-ready web and mobile applications using React.js, React Native, FastAPI, Django, and MySQL and Also Knowledge Nodejs, Mangodb, CI/CD, Docker. Experienced in end-to-end development including API design, deployment on VPS/Cloud servers, and client-facing delivery. Strong understanding of real-time business applications such as HRMS, Laundry Management, POS, and Payroll systems.

Technical Skills

- **Frontend:** React.js, React Native, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
 - **Backend:** Python, FastAPI, REST APIs, Nodejs
 - **Database:** MySQL, Azure SQL Server, Mangodb
 - **Tools:** Git, GitHub, Postman, MysqlWorkbench, Bitbucket, Atlas
 - **DevOps / Deployment:** Nginx, VPS Hosting, Linux, Cpanel, Docker, CI/CD,
 - **Other Skills:** Problem-solving, Client Communication, Requirement Analysis
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Professional Experience

Software Engineer:

Mspand Technologies Private Limited | [September, 2024] – Present

- Developed and deployed a full-stack Laundry Management System used by real clients, supporting customer order tracking, staff management, and delivery scheduling.
- Built mobile applications using React Native and integrated REST APIs with Django backend.
- Implemented CI/CD workflows using GitHub for automated build and deployment.
- Designed scalable REST APIs and deployed services on VPS using Nginx and systemd, ensuring 24/7 availability.
- Collaborated directly with clients to gather requirements and deliver custom business solutions.

Projects

Laundry Management System (Isthriwala)

- **Mobile Application:** React Native | **Web Application and Backend:** Django | **DB:** MySQL
- Built end-to-end LMS with modules like customer order tracking, staff management, delivery scheduling and order history.
- Deployed backend services on a Shared Host with proper service management ensuring 24/7 availability.

HRMS Application

- **Frontend:** React.js | **Backend:** FastAPI | **DB:** MySQL
- Built end-to-end HRMS with modules like Employee onboarding, Attendance, Documents, Tickets management, and Leave management.
- Deployed backend services on a VPS with proper service management ensuring 24/7 availability.

Websites (DFTTI)

- **Frontend:** React.js using Tailwind CSS | **Backend:** FastAPI | **DB:** MySQL
- Built end-to-end Website for Course, Benefits of Course and Placements .
- Implemented a **conference management module for ICSTEM 2025 & 2026**, enabling students to **submit projects and automatically generate participation certificates**.
- Built APIs and frontend interfaces for project submission, participant management, and certificate generation.
- Deployed backend services on a VPS with proper service management ensuring 24/7 availability.

Freelance Full-Stack Developer

Independent Projects

- **POS Application – Inventory Management System**
 - Designed and developed a full-stack POS application with inventory management features including product management, stock tracking, and sales records.
 - **Frontend:** React.js
 - **Backend:** Python (FastAPI)
 - **Database:** Azure SQL Server
 - Implemented RESTful APIs, role-based access, and optimized database queries for performance and reliability.

- **Payroll Management System with Attendance**

- Built a payroll management application integrated with employee attendance tracking to automate salary calculations and reports.
- **Frontend:** React.js
- **Backend:** Python (FastAPI)
- **Database:** Azure SQL Server
- Developed modules for attendance logs, payroll processing, and employee data management with secure API integration.

Education:

Bachelor of Computer Science Engineering :

Nadar Saraswathi College of Engineering and Technologies , Anna University | 2024 – 8.4 CGPA

Higher Secondary :

T.M.H.N.U Mat. Hr. Sec. School | 2020 – 62%

Secondary School :

T.M.H.N.U Mat. Hr. Sec. School | 2018 – 86%