





ASHUTOSH SINGH


Full Stack Developer | Web Applications | MES Developer

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 Rudrapur, Uttarakhand

SUMMARY

Full Stack Developer with 2.5+ years of experience in building scalable web apps using React, Django, Next.js and MSSQL Server and also developed mobile application using React Native. Worked as an MES Developer at Tata Technologies for over a year, contributing to digital manufacturing solutions. Skilled in both frontend and backend development, API integration and UI/UX enhancement using Tailwind CSS and Framer Motion. Focused on delivering clean, efficient, and business-driven solutions.

EXPERIENCE

MES FTPC Developer

Tata Technologies (Client: Tata Motors)

04/2024 - Present Pantnagar, India

- Developed 10+ FTPC and Java-based applications for the entire CORAL manufacturing line at Tata Motors, each consisting of multiple interactive screens tailored to production workflows.
- Created a complete **Vantage Reporting Web Application** using ReactJS and ExpressJS, enabling users to download reports and visualize data through interactive graphs and charts.
- Built a **React-based Dashboard** that delivers daily voice announcements based on data conditions, improving shop-floor awareness and communication.
- Designed and deployed multiple business-critical applications using FTPC to meet evolving manufacturing and operational needs.
- Optimized complex SQL Server stored procedures to significantly enhance performance and reduce execution times across key MES systems.

Full Stack Developer

TechPath Research & Development PVT.

07/2023 - 02/2024 Mughalsarai, India

- Designed and developed a complete **backend solution** for a project management web application using **Django**, implementing features like user authentication, role-based permissions, CRUD operations with filtering, and task tracking.
- Built multiple **React application**, including a Weather App, GitHub Search Tool, and Contact Manager, showcasing dynamic API integration and state management.
- Developed a **multi-screen mobile application** using **React native**, handling API integration and responsive UI for seamless user experience across devices.
- Built multiple React applications, including a weather app, contact manager, and GitHub search tool.
- Created a fully functional **eCommerce backend** using **Django REST Framework**, implementing user management, product catalog with variations, order management (CRUD), and **Razorpay** integration for payment processing.

Python Intern

TechPathResearch & Development PVT.

12/2022 - 06/2023 Mughalsarai, India

- Developed the complete **frontend** of a **Gym Management Website** using **HTML, CSS, JavaScript, and Bootstrap** and integrated **Razorpay** for secure online payments.
- Built a backend for a **blog web application** using **Flask** and **SQLAlchemy**, implementing full **CRUD functionality** for managing posts, users, and comments.

EDUCATION

Master's of Computer Application (MCA)

Manipal University

09/2023 - Present Jaipur, India

Bachelor's of Computer Application (BCA)

Mahatma Gandhi Kashi Vidyapeeth

11/2020 - 09/2023 Varanasi, India

PROJECTS

Ecommerce Website

Developed a complete e-commerce platform using **Next.js, Django, DRF, and Framer Motion**.

Key Features:

- Product Browsing & Search
- Cart Management
- Secure Checkout with **Razorypay** integration.
- Order Placement, tracking & history.
- Smooth UI transitions using Framer Motion.

Backend: github.com/Ashutosh2ingh/ecom-backend

Frontend: [git hub.com/Ashutosh2ingh/ecommerce](https://github.com/Ashutosh2ingh/ecommerce)

Portfolio

Design and developed a modern personal portfolio using **Next.js** and **Framer Motion** for smooth transitions and animations.

- Responsive and interactive UI.
- Showcases projects, experience, and skills.
- Hosted on **Vercel**.

<https://ashu-portfolio-three.vercel.app/>

GYM Management Website

Developed a full-featured gym management platform with a **Next.js** frontend and **Django + Django REST Framework** backend.

- Supports member registration, payments, plan management, and trainer assignment.

<https://fitphysique-omega.vercel.app/>

Ecommerce Mobile App

Designed and developed a fully functional **ecommerce app** for Android and iOS.

- Built the **backend API** using **Django REST Framework** to handle user authentication, product listings, cart, orders, and payments.
- Developed the **frontend using React Native**, replacing all standard ecommerce screens (login/signup, product catalog, cart, checkout, order history, etc.)
- Packaged into an **APK** using Android Studio.

SKILLS

Python	Django	React	JSX	CSS
JavaScript	MSSQL Server	SQL	C	
DRF	NextJS	GIT	Tailwind CSS	
Bootstrap	Framer-motion	FTPC		
React Native	DSA	Java		
Flask	SQLAlchemy	SCSS		