

ASHUTOSH TIWARI

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TECHNICAL SKILLS

Languages: Python, Java, JavaScript

Backend: Node.js, Express.js, Nest.js, Flask, Django, REST APIs, WebSocket, Celery, Microservices

Frontend: React.js, Next.js, Redux, HTML5, CSS3, Tailwind CSS

Databases: MongoDB, PostgreSQL, Redis

DevOps & Tools: Docker, Git, Linux, Containerization, CI/CD

Libraries: NumPy, Pandas, OpenCV, PyPDF2

Concepts: OOP, Computer Vision, Computer Networks, Algorithmic Trading, Data Processing

PROFESSIONAL EXPERIENCE

Junior Full Stack Developer

Jul 2025 – Present

Einstellen.ai

Remote, India

- Building and maintaining full-stack features for an AI-based hiring platform using Django and Next.js, supporting 24/7 automated candidate interviews and multi-profile pre-screening workflows.
- Implemented async task pipelines with Celery and Redis for AI interview processing, resume parsing, and candidate filtering, reducing recruiter workload and optimizing hiring efficiency.
- Optimized PostgreSQL schemas and Redis caching for high-traffic endpoints; developed responsive UI components using Next.js, Redux, and Tailwind CSS.

Backend Developer

Dec 2024 – Jun 2025

Mudraksh & McShaw Tech LLP

Noida, India

- Built Python services and RESTful APIs using Flask for an algorithmic trading platform processed daily trade data with NumPy and Pandas to compute Calmar ratio, ROI, and drawdown.
- Integrated Redis caching and WebSocket streams for low-latency live market data delivery; deployed containerized services via Docker with MongoDB for historical data storage.

Software Developer

Mar 2024 – Aug 2024

DigiVista InfoTech

India

- Developed RESTful APIs with Node.js, Express.js, and React.js for a scalable flight-booking platform with JWT authentication and third-party data integrations.
- Built a Python PDF-to-Excel extraction tool using PyPDF2 and Pandas to automate data workflows; optimized MongoDB schemas and indexing for 10,000+ records.

PROJECTS

Algo Back Office Software | *Python, Flask, React.js, MongoDB, Docker, NumPy, Pandas*

- Built a Flask-based Python application with a React frontend to analyze algorithmic trading performance; computed Calmar ratio, drawdown, ROI, and detected position/price mismatches.
- Leveraged MongoDB for scalable data storage with algorithm-wise and client-wise reports across daily, weekly, monthly, and annual timeframes. Deployed on private cloud using Docker.

Live Market Option Chain | *Python, Flask, React.js, WebSocket, Redis, MongoDB, Docker*

- Engineered a real-time option chain analytics platform for Nifty50, BankNifty, and Sensex, displaying LTP, OI, OI change, and Greek metrics with a customizable market watchlist.
- Integrated WebSocket for live data streaming and Redis for caching; containerized with Docker for efficient deployment.

FlowX – Internal Risk Management Tool | *Python, Flask, MongoDB, REST APIs, Docker*

- Built an internal tool for the Risk Management Group enabling error logging, root-cause analysis, solution tracking, automated reminders, SOP management, and task workflow automation.

Real-Time Flight Status Tracker | *Node.js, Express.js, React.js, MongoDB, Twilio, NodeMailer*

- Developed a full-stack flight-booking platform with real-time SMS and email notifications via Twilio and NodeMailer; built responsive React.js UI using Hooks, Context API, and Tailwind CSS.

EDUCATION

Noida Institute of Engineering and Technology

Greater Noida, India

Bachelor of Technology (B.Tech)

2020 – 2024

CERTIFICATIONS

IBM / Coursera: Introduction to Web Development with HTML, CSS, JavaScript | Introduction to NoSQL Databases

Infosys Springboard: React.js

Duke University / Coursera: Introduction to Machine Learning

University of Washington / Coursera: Machine Learning Foundations: A Case Study Approach