Akshansh Mathur

Full-Stack Developer & Finance Specialist

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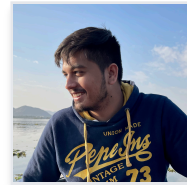
Full-stack developer specializing in scalable fintech applications and real-time systems. Delivered 30% performance improvements and 25% query optimization at Phonofuel. Smart India Hackathon winner with published blockchain research. Currently expanding expertise with MBA in Finance to bridge technology and financial services.

SKILLS

Programming: Python, TypeScript, JavaScript, SQL

Frontend: React, Next.js, Angular, TailwindCSS, HTML5, CSS3

Backend: Django, Node.js, REST APIs

Databases: MySQL, MongoDB

Cloud & DevOps: AWS, Kubernetes, Docker, CI/CD

Version Control: Git, GitHub

Methodologies: Agile, Scrum, Unit Testing (Jest, Pytest), Integration Testing

Security: Penetration Testing, Access Control

Finance: Financial Modeling, Risk Management, Quantitative Analysis (MBA Coursework)

EXPERIENCE

April 2023 - Present

Associate Software Developer, Projects

Phonofuel, Jaipur, India

- Integrated third-party APIs for real-time GPS tracking, enabling customers to track delivery status and ETA, improving customer satisfaction by 40%.
- Designed and optimized SQL queries for high-volume transaction processing, reducing execution time by 25% and database load by 20%.
- Architected notification system using Twilio SMS API and email services, increasing customer engagement for delivery status updates by 15%.

Nov 2022 - Mar 2023

Software Development Intern (Full Stack)

Phonofuel, Jaipur, India

- Developed responsive web interfaces using React and TailwindCSS, ensuring 100% cross-device compatibility and improving mobile user engagement by 25%.
- Integrated frontend components with Django REST APIs, reducing data fetching latency by 30% and improving overall application performance.

Jan 2022 - Mar 2022

Full Stack Intern

Speedsys Solutions Pvt Ltd

- Resolved critical system bottlenecks using Node.js and React, reducing page load times by 40% and achieving 99.5% uptime.
- Developed and deployed 3 scalable web applications, contributing to microservices-based architecture and improving code maintainability by 20%.

EDUCATION

● 2024 - 2026 (Expected) | Full-time Student

MBA Executive (Finance)

Symbiosis Institute of Business Management, Pune, India

● Jul 2019 - Apr 2023

Bachelor of Technology (B.Tech.) in Computer Science with Honours in Business Analytics

Hindustan Institute of Technology And Science, Chennai, India
CGPA: 9.27/10.0

CERTIFICATIONS & AWARDS

Smart India Hackathon Winner (2022) - Government of India
Published: "3 Factor Authentication Voting System Using Blockchain" in IJACEN Journal, 2023
View Publication

Automated Software Testing: Unit Testing, Coverage Criteria and Design for Testability
Delftx

Developing Cloud Applications with Node.js and React
IBM

PROJECTS

3 Factor Blockchain Voting System

Secure decentralized voting system using three-factor authentication: Aadhar-linked blockchain wallet, face recognition, and OTP verification. Published in IJACEN journal (2023). Winner of Smart India Hackathon 2022.

Blockchain Face Recognition OTP Authentication

View Publication

Algo-Trading Backtester

Lightweight CLI tool for backtesting quantitative trading algorithms with historical data. Processes 10+ years of historical data across multiple securities with optimized data pipelines and comprehensive performance metrics.

Python Quantitative Finance Data Analytics

https://github.com/akshansh177/project-delta