

PANKAJ TYAGI

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EDUCATION

DOON INSTITUTE OF ENGINEERING & TECHNOLOGY, RISHIKESH

B.TECH (COMPUTER SCIENCE)
2021 – 2025 (June)

MARIA SCHOOL, JASPUR

HSC (2021)
Percentage: 92.75%

COURSEWORK

UNDERGRADUATE

- Data Structure
- Computer Network
- Object-Oriented Programming (OOP)
- Database Management System (DBMS)

TECHNICAL SKILLS

LANGUAGE & FRAMEWORKS:

- JavaScript (Next.js, React)
- Python (Django)
- Node.js
- Java

DATABASE & APIS:

- MySQL
- MongoDB
- Supabase
- Google Gemini
- CoinGecko

TOOLS & PLATFORMS:

- Docker
- Postman
- Clerk
- Git/GitHub
- IBM Cloud

TESTING & ANALYTICS:

- Jest
- Pandas
- Scikit-Learn
- NumPy
- SciPy

PROFESSIONAL SUMMARY

Results-driven Full-Stack Web Developer with 1+ year of hands-on experience designing, developing, and deploying responsive, high-performance web applications. Expertise in JavaScript (ES6+), React, Next.js, Node.js, Django, RESTful APIs, and cloud platforms. Strong background in Agile/Scrum environments, version control (Git), CI/CD pipelines, containerization (Docker), and performance optimization.

PROFESSIONAL EXPERIENCE

EY TECHNOLOGIES | Junior Python Web Developer Intern

(Feb 2024 - Apr 2024)

- Developed a Django-based music streaming platform serving 1,000+ monthly active users with sub-second page loads, cutting database query time by 20%.
- Reengineered JWT authentication flows, trimming token issuance latency from 250 ms to 120 ms (−52%).
- Boosted user engagement by 30% through performance optimizations (lazy loading, query indexing) and redesigned navigation.

EDUNET FOUNDATION | AI/ML Engineer Intern

(Jan 2024 - Mar 2024)

- Architected and launched an IBM Cloud–hosted chatbot for student-faculty support, reducing average query resolution from 5 minutes to 3 minutes (−40%).
- Increased response accuracy from 0.45 to 0.83 (↑85%) by standardizing intent-classification pipelines and automated fallback logic.
- Scaled to handle 200+ concurrent users with 99.9% uptime through optimized container orchestration.

SELECTED PROJECTS

FinMorphAI (NEXTJS | CLERK | SUPABASE | GOOGLE GEMINI API)

- Automated receipt parsing for 70% fewer manual entries, processing 100+ transactions per session with consistent sub-second responses.
- Generated AI-driven monthly budget reports, improving users' expense forecasting accuracy by 25%.
- Enhanced data-entry efficiency by 60% via adaptive autofill and predictive field logic.

CryptoTrack (REACT | COINGECKO API | RECHARTS)

- Delivered live price updates every 10 sec for 5,000+ coins with interactive sparkline charts.
- Enabled portfolio management for up to 20 cryptocurrencies, displaying real-time profit/loss and 90-day performance trends.
- Implemented unlimited price-threshold and percentage-move alerts, driving a 40% increase in daily active sessions.

Portfolio (REACT | TYPESCRIPT | FRAMER MOTION | TAILWIND CSS)

- Engineered a fully responsive site with animated components, raising average session duration from 1 min to 3 min (↑200%).
- Leveraged Tailwind utility classes to cut styling development time by 40%.

ACHIEVEMENTS AND ADDITIONAL INFORMATION

• Advanced Software Engineering Job Certification – Forage (2024)

Validated technical skills and problem-solving abilities in software development.

• Open-Source Contributor

Submitted 10+ pull requests to React and Django ecosystem projects.

• MERN Full-Stack Developer Evaluation – DevRhyme Foundation (2024)

Showcased practical expertise in building full-stack applications using the MERN stack.

• Hackathon Participation – UnStop (2023)

Gained collaborative and innovative problem-solving experience in a competitive environment.