




Abhishek Kumar

Software Developer

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PROFILE

Enthusiastic and detail-oriented **Software Developer** with hands-on experience in **Fullstack Development, Backend APIs, and Data-driven applications**. Skilled in building scalable solutions with **JavaScript, TypeScript, Python, and SQL**, and experienced in working with **React, Node.js, Express, NestJS, and PostgreSQL**. Strong problem-solving mindset with a foundation in **DSA and OOPs**. Seeking to contribute to impactful software solutions while continuing to learn and grow in a collaborative environment.

EDUCATION

Masters in Computer Applications

University of Petroleum and Energy Studies

2022 – 2024

Dehradun, India

- Subject Electives : Artificial Intelligence and Machine Learning
- Graduated with an 8.53 overall CGPA

Bachelors in Computer Applications

Bangalore University

2018 – 2021

Bengaluru, India

- Graduated with an 8.5 overall CGPA

WORK EXPERIENCE

Quantitative Development/Backend Development Intern

Remote

Pi42 (Crypto Exchange)

- Built CRUD APIs with **NestJS, Prisma ORM, PostgreSQL**.
- Hands-on with **data modeling, API integration, and backtesting algorithms**.
- Contributed to multiple **team-based projects** in agile setups.
- Participated in debugging, testing, and collaborative Git workflows.

Machine Learning Intern

Remote

Phemesoftware Pvt Ltd

- Developed a **Python-based AI recommendation system** under IBM mentorship.
- Designed modular, testable code and documented solution workflows.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, SQL, Java, C#
- **Frontend:** React.js, HTML5, CSS3, Chakra UI, Tailwind CSS
- **Backend:** Node.js, Express.js, NestJS, Django
- **Databases:** PostgreSQL, MySQL, MongoDB
- **APIs & Tools:** REST APIs, Swagger, Prisma ORM, GraphQL
- **Version Control & DevOps:** Git/GitHub, Docker, CI/CD pipelines
- **Other:** Data Structures & Algorithms, Object-Oriented Programming, Agile Development

PROJECTS

E-commerce API with Payments

- Designed and implemented a **scalable backend** using **NestJS, PostgreSQL, and Prisma ORM**, with **Stripe API** for secure payment integration.
- Developed **RESTful APIs** with Swagger documentation for easy integration with frontend.
- Added authentication, authorization, and role-based access.
- **Tech Stack:** NestJS, PostgreSQL, Prisma, Swagger, Stripe

Blog Management System

- Built a **MERN stack blog app** with features for creating, editing, and deleting posts.
- Integrated **JWT authentication** for user login and API security.
- Optimized backend using Express middleware and MongoDB schema design.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB

Gaming Platform UI (Stake.com Inspired)

- Built a **modern, responsive frontend** for a gaming platform using **React.js** with reusable components (Header, Nav, Banner, Footer).
- Implemented **mobile-first design** with optimized performance across devices.
- Applied **state management and routing** for seamless navigation.
- **Tech Stack:** React.js, CSS3, HTML5

Patient Sentiment Analysis from CCTV

- Created a system to analyze **facial expressions** from CCTV frames to detect **positive, negative, or neutral sentiments**.
- Used **OpenCV for face detection**, with **ML algorithms** for emotion classification.
- Delivered insights for improving **customer experience in retail settings**.
- **Tech Stack:** Python, OpenCV, Machine Learning

ACHIEVEMENTS & STRENGTHS

- Strong foundation in **DSA, OOP, and problem-solving**
- Ability to **design scalable applications** end-to-end
- Quick learner, adaptable to new tools and frameworks
- Effective communication and teamwork in agile setups

LANGUAGES

Hindi	English
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