




Abhishek Kumar

Developer

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PROFILE

Enthusiastic and detail-oriented **Full Stack Developer** with hands-on experience in building scalable **web applications, backend APIs, and data-driven solutions**. Proficient in **JavaScript, TypeScript, Python, SQL**, and skilled in modern frameworks like **React.js, Node.js, Express.js, and PostgreSQL**. Strong problem-solving foundation in **DSA & OOPs**, with experience in **Agile workflows, Git/GitHub collaboration, and CI/CD pipelines**. Seeking to contribute to impactful software projects while growing as a developer.

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 **Node.js, 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

- **Languages:** JavaScript, TypeScript, Python, SQL, Java, C#
- **Frontend:** React.js, HTML5, CSS3, Chakra UI, Tailwind CSS
- **Backend:** Node.js, Express.js, NestJS, Django, Prisma
- **Databases:** PostgreSQL, MySQL, MongoDB
- **APIs & Tools:** REST APIs, Swagger, Prisma ORM, Docker, CI/CD
- **Version Control:** Git, GitHub
- **Other:** Data Structures & Algorithms, OOP, Agile Development, Unity, Machine Learning, Generative AI, Large Language Models

PROJECTS

Store Rater (Full Stack App)

- Built a **full-stack MERN application** enabling users to rate and review registered stores.
- Implemented **role-based authentication** with distinct access levels for admins and users.
- Designed and optimized **store rating APIs** with secure PostgreSQL integration.
- **Tech Stack:** React.js, Node.js, Express.js, PostgreSQL

Workflow Automation

- Developed a **workflow automation platform** to handle repetitive tasks through API integrations and LLMs.
- Implemented **Express.js backend services** with PostgreSQL for efficient task management.
- Built a **React.js frontend** for seamless user interaction and real-time updates.
- **Tech Stack:** React.js, Express.js, Node.js, PostgreSQL, GEN AI, LLMs

Instant Feedback System (Facial Recognition)

- Built a **real-time feedback system** using facial recognition to analyze customer emotions.
- Applied **ML models for sentiment classification** (positive, neutral, negative).
- Automated **frame extraction and face detection** from CCTV inputs for insights.
- **Tech Stack:** Python, OpenCV, DeepFace, TensorFlow

Crypto Hedging Bot

- Designed and implemented an **algorithmic trading bot** for BTC/USDT futures.
- Used **EMA-based technical indicators** to generate hedging signals and manage risk.
- Automated **trade execution and monitoring** for consistent strategy testing.
- **Tech Stack:** Python, Binance API, Pandas, NumPy

ACHIEVEMENTS & STRENGTHS

- Strong foundation in **DSA, OOP, and scalable system design**.
- Built **end-to-end applications** with frontend, backend, and databases.
- Adaptable and quick learner with experience across **web, AI, and game development**.
- Effective communicator and team player in **Agile development environments**.