Mohammad Naveed Khan

Full-Stack Developer | Python (Django, FastAPI) | TypeScript (React, Next.js, Express)

As a full-stack developer, I specialize in Python and TypeScript, delivering end-to-end solutions. I design robust server-side infrastructure for seamless user experiences and write scalable, performant code. My skills include databases, RESTful APIs, and Docker for efficient deployments.

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Portfolio:	**https://mnaveedk.com**
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SKILLS

Languages: Python, JavaScript (TypeScript), SQL (MySQL, PostgreSQL), NoSQL (MongoDB)

Frameworks: Django, FastAPI, Flask, React, Next.js, Redux, Tailwind CSS

Data Science & ML: Machine Learning, Data Analysis, CNNs, TensorFlow, Keras, Pandas, NumPy, Matplotlib

DevOps: Docker, Git, Linux Administration, Cloud Deployment (IBM Cloud, AWS)

APIs: RESTful, GraphQL

Leadership: Team Leadership

EDUCATION

Western University Ontario
September 2023 - Present

Master of Engineering - ME, Software Engineering

University of Kashmir
August 2017 - August 2021

Bachelor of Engineering - BE, Computer Science

WORK EXPERIENCE

GenioBITS Technologies, Pune
June 2022 - March 2023

Backend Developer

Built a real-time trading app: Enabled users to create, backtest, and execute complex strategies using Python 3, Django, and Django REST Framework.

Optimized performance: Leveraged Celery, Redis, and NumPy for responsiveness and efficient calculations.

Ensured data security: Designed a secure MySQL database and facilitated data-driven decision-making through intelligent reporting.

Pioneered optimization: Introduced a dynamic backtesting module (Optimization Strategy) for identifying optimal trading strategies.

Collaborated for seamless UX: Worked cross-functionally to integrate the backend with the frontend for a unified user experience.

Skills: Python 3, Django, Django REST Framework, Celery, Redis, NumPy, Docker, MySQL, Talib

Cranes Varsity, Bengaluru
November 2019 - December 2019

Machine Learning Trainee

Mastered Python-based model building: Excelled in building ML models using Python libraries like Keras and NumPy.

Ensured data integrity: Championed data quality through thorough cleaning and transformation.

Communicated insights effectively: Utilized Matplotlib to create clear and impactful data visualizations.

Practical application: Applied ML techniques to real-world projects, evaluating model performance.

Collaborative problem solver: Successfully tackled data challenges through teamwork and collaboration.

Skills: Python, Keras, NumPy, Matplotlib

CETPA Infotech Pvt. ltd., Noida
January 2019 - February 2019

Python Trainee

Mastered Python fundamentals: Learned syntax, data types, and functions in just 2 weeks.

Unlocked concurrency: Explored multithreading for efficient program execution.

Sharpened development skills: Focused on version control, code quality, and testing practices.

Built a real-world application: Completed a Student Management System project involving databases, data validation, and file handling.

PROJECTS

Online Book Store
2023

https://bookstore-frontend-blond.vercel.app/

Built a feature-rich online bookstore:

- Frontend (React, TypeScript, Tailwind, Redux): User authentication, shopping cart, and booklists with reviews.
- Robust backend (Express, MongoDB): Admin features, including user management and deactivation.

Skills: React, TypeScript, Tailwind, Redux, Express, MongoDB, Docker, REST APIs

Complete User Authentication - Demo
2023

https://user-auth-react.vercel.app/

Built a seamless user authentication app:

- Frontend: Utilized Material-UI for an elegant user interface.
- Backend: Built in Python using Django and Django REST Framework.

Skills: REST APIs, Material-UI, Redux.js, React.js, Django, Django REST Framework, Python

PUBLICATIONS

Mouse-Control-Using-Hand-Gestures
November 2021

https://www.jetir.org/view?paper=JETIR2111239

Built a gesture-controlled mouse pointer system using computer vision and machine learning.

- Real-time hand gesture detection: Leveraged MediaPipe and NumPy arrays to train an image classifier for accurate recognition.
- Seamless mouse control: Integrated MediaPipe for continuous image capture and gesture-based cursor movement.
- Enhances user accessibility: Promotes hands-free interaction, demonstrating a commitment to innovative accessibility solutions.