

# MOHAMMAD NAVEED KHAN

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## SUMMARY

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As a seasoned Backend Engineer, I bring an extensive track record of conducting meticulous requirements analysis, shaping Architectural Significant Requirements (ASRs), and orchestrating collaborative efforts across cross-functional teams to deliver innovative systems. Motivated by a relentless pursuit of knowledge, I am a lifelong learner dedicated to staying at the forefront of industry advancements. My exceptional communication skills, coupled with a high degree of motivation, underscore my commitment to excellence. With a proven ability to foster collaboration, I am confident that my technical acumen and collaborative strengths position me as a valuable asset to any team.

## EDUCATION

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**Master of Engineering (Software Engineering)**, Western University Expected 2024

**Bachelor of Engineering (Computer Science)**, University of Kashmir 2017 - 2021

## SKILLS

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<b>Backend:</b>	Django, Python, Celery, Redis, Git, DjangoRESTframework, FastAPI, Flask
<b>Messaging:</b>	RabbitMQ, Channels
<b>Cloud Services:</b>	AWS, GCP, IBM Cloud
<b>Frontend:</b>	Javascript/Typescript, React, NextJs, Tailwind, Redux, Framer Motion, Express, NodeJs
<b>APIs:</b>	RestApis, GraphQL
<b>Databases:</b>	MySQL, PostgreSQL, MongoDB

## EXPERIENCE

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**Backend Engineer** June 2022 - Mar 2023  
GenioBITS Technologies *Pune, MH*

- Developed a real-time trading app using Python 3, Django, and Django REST Framework. This enabled users to create, backtest, and execute complex strategies.
- Optimized performance by leveraging Celery, Redis, and NumPy, resulting in increased responsiveness and efficient calculations.
- Ensured data security by designing a secure MySQL database, enabling data-driven decision-making through intelligent reporting.
- Pioneered optimization by introducing a dynamic backtesting module (Optimization Strategy) to identify optimal trading strategies.
- Collaborated cross-functionally to integrate the backend with the frontend, providing a seamless and unified user experience for improved UX.

**Machine Learning Intern** Nov 2019 - DEC 2019  
Cranes Varsity *Bengaluru, KA*

- Mastered Python-based model building, excelling in constructing ML models using Keras and NumPy.
- Ensured data integrity by championing data quality through meticulous cleaning and transformation processes.
- Communicated insights effectively by utilizing Matplotlib to create clear and impactful data visualizations.
- Applied ML techniques to real-world projects, evaluating model performance and demonstrating practical application.

## PROJECTS

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**Online Book Store.** Created a comprehensive online bookstore with a feature-rich experience:

Frontend (React, TypeScript, Tailwind, Redux): Implemented user authentication, a seamless shopping cart system, and dynamic booklists with user reviews.

Backend (Express, MongoDB): Developed a robust backend with admin functionalities, enabling efficient user management and deactivation features for enhanced control and administration. ([Try it here](#))

**MarketBreeze Hub.** Developed an application leveraging the ICICI Breeze API for market data. Users can register, search for instruments, subscribe to them, and view OHLC graphs. Employed Django, Celery, and RabbitMQ for the backend, ensuring seamless data processing, while the frontend was built using React, Tailwind, and Redux for a responsive and interactive user interface. ([Try it here](#))

**SecureLink Authentication Suite.** Developed SecureLink Authentication Suite, a cutting-edge system meticulously crafted for heightened security and seamless user authentication. This comprehensive solution utilizes industry-leading practices, including email verification, JWT refresh, and access tokens. Powered by a Django backend and a sleek React frontend with Material UI, SecureLink ensures airtight protection while delivering an intuitive and visually appealing user experience. Elevate your application's security standards with SecureLink Authentication Suite – where robust protection meets user-friendly design. ([Try it here](#))

## EXTRA-CURRICULAR ACTIVITIES

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- While involved in Western University's Western AI club, I had the opportunity to contribute as a software developer to the American Sign Language (ASL) project. Specifically, my role entailed working on the development of the CNN model for this project.

## LEADERSHIP

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- In my capacity as a backend developer, I led a cross-functional team comprising backend, frontend, and testing specialists, meticulously overseeing the fulfillment of all project requirements.