

Hassan Nisar

Author, and Software Engineer specializing in Fullstack Development, Artificial Intelligence, and Data Science.

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EXPERIENCE

Singularity Softworks, Toronto— *Founder & CEO*

Aug 2024 - PRESENT

- Spearheaded the research and development of innovative AI applications, driving the company's vision to leverage cutting-edge technology for practical solutions.
- Provided strategic leadership and direction for the company, establishing goals and objectives that align with market needs and technological advancements.
- Led the hiring process and onboarding of interns and team members, fostering a collaborative and innovative work environment that encourages professional growth and development.
- Oversaw project timelines and deliverables, ensuring that development milestones were met while maintaining high standards of quality and performance.
- Developed and implemented comprehensive marketing strategies to promote AI applications and services, increasing brand awareness and driving customer engagement.
- Engaged with clients, and partners to understand their needs and gather feedback, ensuring that product offerings are aligned with market demands.

Conscia, Toronto— *Software Developer*

Feb 2023 - Aug 2024

- Developed and improved robust backend code, ensuring high performance and reliability while implementing new features to enhance product functionality.
- Collaborated with design and product teams to conceptualize and implement new user interface features, improving user experience and engagement across applications.
- Researched and developed a comprehensive AI integration plan to enhance company products and services, driving innovation and improving overall offerings.
- Participated in code reviews and contributed to the establishment of best practices for software development, fostering a culture of quality and continuous improvement within the team.

SKILLS

Communication & Leadership

Project Management

Software Development

Data Science & ML

PUBLICATIONS

JavaScript Made Easy: From Zero to Hero, Published on Jan 2024

Python Made Easy: From Zero to Hero, Published on Jan 2024

LANGUAGES

English, French (Intermediate)

Elated, UK (Remote) — Data Science & ML Engineer Intern

Mar 2023 - Dec 2023

- Planned, developed, and continuously improved a recommendation system tailored to meet various key requirements, enhancing user engagement and satisfaction.
- Collaborated with cross-functional teams to design and implement a "3-chats at a time" feature, optimizing user interaction and experience within the application.
- Managed and maintained databases to ensure data integrity and accessibility, facilitating efficient data retrieval and analysis for ongoing projects.
- Overhauled application performance by implementing cloud functions, resulting in improved response times and overall system efficiency.

Freelance, Toronto — Web Development

Nov 2018 - Dec 2022

- Collaborated with clients to design and develop custom websites tailored to their specific needs, enhancing user experience and engagement.
- Utilized HTML, CSS, JavaScript, and various frameworks to create responsive and visually appealing web applications.
- Integrated APIs to enhance website functionality and streamline data exchange between applications.
- Conducted thorough testing and debugging to ensure optimal performance and user satisfaction, while provided ongoing maintenance and support to ensure websites remain up-to-date and secure.

EDUCATION

University of California, San Diego — Masters in Data Science

Jan 2023 - Jan 2024

- Developed a comprehensive understanding of data science principles, including data collection, cleaning, and exploratory data analysis.
- Studied essential mathematical concepts, including probability and statistics, to support data analysis and machine learning applications.
- Gained insights into core machine learning algorithms and techniques, including supervised and unsupervised learning, model evaluation, and optimization.
- Learned to utilize Apache Spark for big data processing, enabling efficient data manipulation and analysis at scale.

York University, Toronto — Bsc. Computer Science

Sept 2018 - June 2022

- Gained a solid understanding of data organization, storage, and retrieval techniques, focusing on efficiency and performance.
- Developed skills in building dynamic and responsive web applications using HTML, CSS, JavaScript, and various frameworks.
- Learned principles of software architecture and design patterns, emphasizing best practices for creating scalable and maintainable software.
- Mastered OOP concepts such as inheritance, polymorphism, and encapsulation through practical projects and assignments in Java.
- Explored the fundamentals of computer networking, including protocols, data transmission, and network architecture.