

# Amandeep Singh Bhalla

Toronto, ON | <https://www.linkedin.com/in/amandeep-singh-bhalla-a3689a131> | <https://github.com/Amandeep2230> | <https://amandeep2230.github.io/>

## SKILLS

---

- **Programming Languages:** Python, JavaScript, Java
- **Technologies:** React, NodeJS, HTML, CSS, PHP, Azure, Firebase, REST APIs, PowerBI, Selenium
- **Databases:** MongoDB, SQL, Spark, Azure Data Bricks
- **Other Relevant Technologies:** Object Oriented Design, SQL Optimization, Agile Methodologies, CI/CD, Git, Kubernetes, Linux, Windows, MacOS

## EDUCATION

---

**Master of Applied Computing** (GPA: 3.9/4.0) September 2021 – April 2023

*University of Windsor, Windsor, ON, Canada*

**Bachelor of Technology, Computer Science Engineering** July 2017 – May 2021

*Amity University, Noida, India*

## WORK EXPERIENCE

---

**Software Quality Assurance Intern, Microsoft, Montreal** September 2022 – April 2023

- Collaborated with developers to test and debug different functionalities based on requirements.
- Analyzed and executed comprehensive tests on Power BI reports, SSRS reports, and performed big data validation using Data Bricks.
- Demonstrated proficiency in API testing and debugging using Postman.
- Actively participated in meetings, knowledge sharing sessions, and provided valuable feedback to contribute to product development.
- Developed a smart checkout app in collaboration with three former interns for MS Hackathon 2022.
- Created clean and comprehensive documentation on Confluence.
- Managed the CI/CD pipeline to create and populate databases with data.

**Software Developer Intern, Amity University, Noida** April 2020 – June 2020

- Planned and developed user-friendly frontend for the company website and web app using PHP, JavaScript and HTML, resulting in a 12% increase in user engagement through an attractive landing page.
- Collaborated closely with the team and project manager to discuss daily agendas and consistently achieved desired outcomes.

## ACADEMIC PROJECTS

---

**Sneakify** (NextJS, Tailwind CSS, Firebase, Stripe, NodeJS)

- Developed an exceptional ecommerce solution to sneaker businesses, ensuring a streamlined and efficient shopping experience for potential customers.
- NextJS and Tailwind CSS were used to build the architecture of this app incorporating functionalities like add to cart, checkout and authentication systems.
- Implemented cloud storage using Firebase for maintaining all the product and user data along with Stripe's API for payment system. NodeJS was used to develop web hooks for payment confirmation.

**Stock Analyzer GPT** (LangChain, LLMs, Streamlit)

- Developed a cutting-edge stock analyzer GPT that recommends to buy/not buy a stock deployed on Streamlit.
- Used Yahoo Finance APIs to gather information and predict based on the past and current data visualized as a graph.
- Made use of OpenAI's LLM to pass prompts about the selected stock and display relevant information to the user.

**ZUNI** (Java, Python, XML)

- Collaborated within a team of four members to create an android based virtual personal assistant app paired with Raspberry Pi for providing applications in home automation.
- Individual contributions included developing the UI, and providing functionalities like voice control, alarms, calendar management, composing emails and weather reporting.

**Smart Appointment and Attendance App** (PHP, SQL, HTML, CSS)

- Independently developed an appointment and attendance app providing geo attendance marking system solution.
- Used PHP and SQL for providing authentication system, and functionalities like booking an appointment, selecting a course, admin control and geo-fencing-based attendance system.