

# Ali Saheb

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## EDUCATION

**Lassonde School of Engineering, York University** Sept. 2021 – Apr. 2026  
*Bachelor of Engineering in Software Engineering (B.Eng)* Toronto, ON

### Relevant Courses:

*Advanced Object Oriented Programming, Fundamentals of Data Structures, Database Management Systems*

## JOB EXPERIENCE

**Software Engineer Intern** Sept. 2024 – Apr. 2025  
*Mely.ai Solutions Inc.* Montréal, QC

- Contributed to the development of a SaaS platform that cut manual document processing time by **80%** using **AI/ML** and technologies like **C#, Python, JavaScript**, and **Vue.js**.
- Improved system speed by **40%** by optimizing **PostgreSQL** queries and **API** performance.
- Boosted file processing efficiency by **50%** by implementing an **API** for file format conversion.
- Reduced bug resolution time by **30%** by proactively writing **unit tests**, identifying edge cases early, and collaborating closely with QA during Agile sprints.

**k2i Academy Program Mentor** May 2024 – Aug. 2024  
*Lassonde School of Engineering, York University* Toronto, ON

- Provided **technical mentorship** to students in **software development**, assisting with programming languages, debugging, and overcoming coding challenges.
- Guided research project teams in defining clear **research objectives**, creating detailed **project timelines**, and ensuring alignment with academic goals.
- Developed a **Python**-based analysis tool using Pandas and Matplotlib to automate **data collection** and generate visual insights, improving research accuracy and reducing manual processing time by **40%**.

## PROJECTS

**PCPartly** | *TypeScript, MongoDB, Express.js, React.js, Node.js* Jun. 2024

- Developed a scalable E-commerce platform using **React.js** and **Node.js**, using **MongoDB** for efficient client-server data transfer.
- Implemented secure user authentication with **Bcrypt** for password hashing and **JWT** for session management, enhancing login reliability.
- Optimized database queries and introduced lazy loading, improving page load times by **20%**.
- Deployed the application on **AWS**, enabling reliable hosting and improving scalability and performance.

**YULookUp** | *Java, MySQL, Gradle, JavaFX, GitHub* Jan. 2023 – Apr. 2023

- Contributed to a **Java**-based desktop application with front-end and back-end functionality, meeting client requirements.
- Automated **MySQL** database updates via web scraping to keep course data current.
- Collaborated effectively on **GitHub** workflows, improving version control and project development processes.

**ChatterBox** | *Python, Flask, SQLite3, HTML/CSS* Dec. 2023

- Built a full-stack social network application using **Python** and **Flask**, integrated with a **SQLite3** database to store and retrieve user posts.
- Implemented real-time updates for user posts and comments, dynamically updating the front-end for seamless user experience.
- Designed a responsive UI with **HTML/CSS**, ensuring cross-device compatibility and intuitive navigation.

## TECHNICAL SKILLS

**Languages & Programming:** Java, Python, C/C#/C++, JavaScript, SQL, HTML/CSS, Bash/Unix, OOP, AI/ML

**Frameworks & Libraries:** Flask, .NET, Express.js, React.js, Vue.js, Node.js, JavaFX, JUnit, Gradle

**Database & Storage:** PostgreSQL, MySQL, SQLite3, MongoDB

**Tools & Platforms:** AWS, Azure, Docker, Git, GitHub, Postman, Linux