

# Abubukker Chaudhary

647-674-2305 | [abubukker.chaudhary@gmail.com](mailto:abubukker.chaudhary@gmail.com) | [linkedin.com/in/abubukker-chaudhary-b111591b7/](https://www.linkedin.com/in/abubukker-chaudhary-b111591b7/) | [github.com/LunarFang416](https://github.com/LunarFang416)

## EDUCATION

**University of Toronto GPA: 3.97/4.00**

*Bachelor of Applied Science - Computer Engineering, Dean's Honour List*

Toronto, ON

Sep. 2021 – May 2025

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C/C++, JavaScript, TypeScript, Bash, MATLAB, HTML5, CSS, SQL  
**Skills/Frameworks:** Angular, React, Node.js, Express, Django, Flask, Bootstrap, MySQL, Amazon Web Services, Terraform, Git and version control, Docker, Kubernetes (K8s), Linux/Unix, MacOS, Windows, Data Structures, Algorithm Design & Analysis, Unit-testing, Cloud Computing, Computer Networking  
**Professional Certifications:** AWS Cloud Practitioner

## EXPERIENCE

**Software Engineer Intern** | *Angular, Express, Node.js, MongoDB, Firebase, Docker* May 2022 – Present  
*Ontario Institute for Studies in Education* Toronto, ON

- Implement frontend changes in **Angular** with **TypeScript** to develop features in a new collaborative learning environment supported by co-design with educational practitioners
- Collaborate with Sr. Software Engineers to integrate software **API** with heavy duty learning environments like WISE and SCORE to implement features like **SSO**, feature integration, and data sharing between systems
- Improve **CI/CD Workflow Pipeline** to increase repository code quality and automate development workflow, thereby aiming to improving codebase health by 50%
- Engineering backend **Node.js** and **Express** changes to facilitate real-time collaborative learning activities among students with Websockets using **socket.io**

**Team Lead — Full Stack Engineer** | *React.js, Express, Node.js, MongoDB* January 2022 – Present  
*University of Toronto Freelancers Organization* Toronto, ON

- Lead a team of 5 developers in taking on software projects for university-affiliated organizations
- Organize workshops to teach **DevOps** principles to build software and extend knowledge of programming with experience in developing in a team environment
- Revamp team website and legacy code base by designing a robust backend **REST API** in **Node.js** and **Express** integrated with **MongoDB** in the **MVC** architectural pattern

**Software Developer** | *Python, Shell, Java* August 2022 – Present  
*International Society of the Learning Sciences* Toronto, ON

- Enhance and create automated scripts in **Python** to parse and scrape metadata from research papers and create import packages for **Dsapce**
- Update legacy code and **Java** Repository server to support processing and upload of conference proceedings, and make UI and functionality improvements to the repository system

**Software Developer** | *React.js, Express, NodeJS, MongoDB, Python, PyQt5* August 2022 – Present  
*UofT Seismic Design Team* Toronto, ON

- Incorporate new features and functionalities for team website using **React.js** and **MERN** stack
- Develop and optimize analytical tools, 3D architectural visualization and GUI programs to improve design and construction process, using **Python PyQt5**

## PROJECTS

### Code Colab

- Developed an online code collaboration IDE and white-boarding application to allow developers to work on multi-file projects together
- Used **React** to create frontend, **Node.js** with **Express** server and **MongoDB** as backend
- Leveraged Websockets for real time synchronization, and lightweight **Docker** containers for compilation/execution
- Plan to utilize **AWS Elastic Container Service** for running containers at scale and easier volume mounting

### Crunchy-dl

- Developed a **PyPi Python** package; a CLI tool allowing users to download anime episodes from Crunchyroll
- Utilized **Multithreading** to optimize download speeds by concurrently downloading multiple episodes
- Created unit tests using **Pytest** to increase code coverage and ensure YAML/JSON inputs are parsed correctly