# Aditya Goyal

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## EDUCATION

**University of Toronto - Computer Science Specialist**  Toronto, Canada
*Full Stack Web/App Development, Machine Learning, Computer Vision.*  *Sept. 2018 – Present*

## EXPERIENCE

**Edsembli - Automation Developer**  May 2021 – Aug. 2022
*Created an automation system using Java (Selenium) to completely replace manual testing*  *Toronto, Canada*
- Automated the main SAAS product's testing by creating a robust regression testing system to reduce testing time from **2 days to under 5 minutes**.
- Tested the product across top 5 web browsers using Cross Browser Testing to ensure consistent user experience.
- Introduced the deployment pipeline with Travis CI to conduct tests upon builds which removed unnecessary reliance on the QA team up to 9 out of 10 times.

**Computer Science Student Union - President**  May 2022 – Present
*Headed the course union of Computer Science at the University of Toronto*  *Toronto, Canada*
- Represented over **2,000 Computer Science students** at the University of Toronto to hone their skills.
- Led multiple teams of a total of 50 members to organize academic, professional and social events like 'First Year Orientation', 'Career Fair', 'ML Research Conference', 'Google Networking Workshop' etc.
- Published the course union's very first journal to spread awareness on topics like research, industry, academics etc.

**Dept. of Computer Science - Web Development Research Assistant**  Oct. 2020 – Feb. 2021
*Built a Full stack app using MERN Stack for cost-effective international money transfer*  *Toronto, Canada*
- Coded the front-end of 9 pages using Bootstrap, MaterializeCSS to create an aesthetically pleasing interface.
- Implemented the back-end using **SOLID** design principles to create a well maintained code base.
- Designed the database using MongoDB with 2 tables to store information about the users and their transactions.

## PROJECTS

**AI Marketplace App** | *Hackathon Project*
- Built a mobile app for Neighbourhood Hacks (**Hackathon Winner**) using ReactNative, Flask, MongoDB to connect local businesses with customers.
- Devised an object detection algorithm with Google Cloud Vision API to help customers checkout their products.
- Integrated Owncast streaming service API to virtually connect customers with store representatives.

**Housing for Health Care Workers** | *Personal Project*
- Architected a 7 page web app using **Django** to connect healthcare workers with landlords for quarantine.
- Integrated an interactive map with location of each house using Google Maps API to enhance user comprehension.

**Group Messaging Platform** | *Personal Project*
- Engineered a web messaging platform with **Flask**, SocketIO for users to have conversations with each other.
- Created animations like - on delete: message bursts, new message: notification sound etc. to cater to the user's experience.

**Medical Records Ledger** | *Hackathon Project*
- Developed a web app using Django to build a universal ledger of medical records of patients in United States.
- Stored the patients' information with **SQLite** using 3 tables - 'Patient Information', 'Ailments' and 'Undergone Procedures'.

## TECHNICAL SKILLS

**Languages**: Python, Java, JavaScript, SQL, C, C++, Racket
**Frameworks**: Django, Flask, MongoDB, Express.js, React.js, ReactNative, Node.js, NumPy, Scikit-learn, PyTorch
**Tools**: Git, Docker, Travis-CI, Selenium, Google Cloud Platform, Heroku, AWS, API