INTERNSHIP EXPERIENCES

Mihir Rajora, Computer Engineering, Class of 2022, shares his virtual internship experience at Expedia Group as a Software Development Intern.

I secured an on-campus internship at Expedia Group at the beginning of my 3rd year. I was not able to get the complete experience due to my internship being online, still, everyone at the company tried their best to make the experience worthwhile.

I was assigned the Delivery Platform Team that was dedicated to DevOps operations in the company. My mentors were very welcoming and helped me get acquainted with the workplace and its day-to-day operations. My team was divided across various geographies. My manager gave me the option of choosing which type of project (frontend, backend, or full-stack) I would like to work on, which was in complete contrast to what other internships offered.

We had daily standups with teams from Brisbane, Jordan, and London to refresh on the work that different people were doing, discuss any problems, and get acquainted with any leadership decisions being taken. Our team also had chai sessions every Thursday where we discussed anything not related to work and played games like Geoguessr and Skribbl. This helped me get to know the team more and experience the fun I would have had in an on-site experience. I was able to complete and deploy my project successfully and had the fortune of meeting some team members.

After the completion of my internship, I was offered a full-time offer at the company, which I happily accepted. Discussing problems with my team members and being involved in the team functioning regularly, along with seeing people from different walks of life working collaboratively, was a truly enriching experience that contributed a lot toward my growth as an individual.

Vrinda Aggarwal, ECE, Class of 2022, shares her experience of interning as a Quantitative Research Analyst at JPMorgan Chase.

As I have been interested in mathematics and computer programming since high school, I tried different projects and internships during my first two years, which helped me explore different zones of interest in the corporate world.

When JP Morgan visited the campus for the Quantitative Research role, I was pretty enthusiastic as the profile fulfilled all my interests and provided great exposure.
The selection process consisted of a test (mathematics, logical ability, quantitative analysis, and coding questions) followed by an interview process.

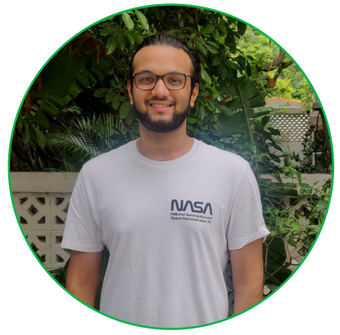
We had various training sessions during the upcoming weeks, which made us aware of the program's policies, protocols, work culture, and skills required. Additionally, my managers helped me get adequate knowledge about finance and the problem statement to work on.

There were daily or on request one-on-one sessions with my manager. Bi-weekly meetings were conducted to discuss the further changes to be implemented. In daily team meetings, all the members updated the Team Lead about their progress. Also, fortnightly HR meets were conducted to tackle any issues we faced during the internship.

Also, a buddy was assigned to every intern, who helped us put forward ideas and ask for suggestions. This idea was an excellent step to making interns comfortable with the new environment.

I got in touch with many interns from different countries and distinct skill sets. Talking or listening to their doubts while discussing was a great way to know their culture and knowledge about various fields. While interning, I realized that by asking doubts, you get a clear idea of what they expect of you. So keep asking genuine doubts!

Ayush Kulshreshtha, ME, Class of 2022, shares his experience of working as a Research Intern at Ontario Tech University under the MITACS GRI program.



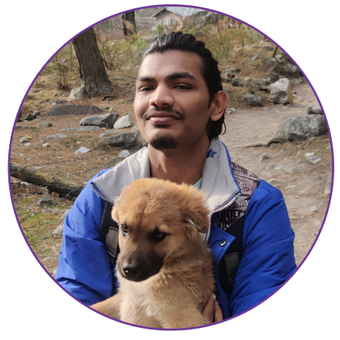
I am an avid Formula One enthusiast and have always been interested in understanding the dynamics of high-performance systems. Throughout my time at DTU, I was involved with Team Defianz Racing, and during my third year, I undertook a research internship at IIT Delhi, where I worked on Battery Management Systems. This helped me build up my research profile and understand the domain I was interested in.

Browsing through multiple coveted internship programs, I came across the **MITACS Globalink Internship** and was impressed by the wide range of research profiles and domains it covered. After the application and interview process, I was matched with Dr. Xianke Lin from **Ontario Tech University** to work on the project: *"AI-enabled powertrain control and fast charging in Electrified vehicles."*

I began my internship in June with an online meeting with my supervisor and the other research interns. Everyone was highly welcoming and made a dedicated effort to explain the ongoing research programs in the lab. I ended up working on a Deep Neural Network-based state Estimator for Lithium-ion battery packs and the mechanical design and energy management for a telepresence robot. All the work done by me contributes to larger research efforts within the lab, directed at electrified and autonomous vehicle development.

MITACS GRI helped me get a glimpse of the cutting-edge R&D activities undertaken at numerous prestigious university labs in Canada. Moreover, the aspect of a $15,000 fellowship granted to all GRI alumni interested in pursuing their higher studies from Canada is a bonus. The people I met here and my interactions are invaluable.

T.S. Sachin Venkatesh, Engineering Physics, Class of 2022, shares his internship experience at the Center for Computational Astrophysics, Flatiron Institute, New York.



I always wished to get the coveted 'foreign intern,' and found out about the 'Center for Computational Astrophysics, Flatiron Institute.' while casually browsing through various profiles and options

I contacted a Masters' student at NYU to learn about her experience at CCA, who encouraged me to cold mail them. A month after sending mails to 3-4 researchers, I finally received a response and was later invited to an interview, which was one of the most jargon-heavy yet scintillating and intellectual talks I had had in months. The following day, I woke up to an email informing me that I had been selected for the program.

The following weeks were spent doing an extensive literature review and learning a whole sub-field from scratch. We finally landed on a problem statement in Dark Matter and galaxy-halo relation. My work was analyzing the halo formation to account for dark matter accretion while also tracking galaxy formation as both halos and galaxies 'grow' hand in hand.

Here, we used to have group meetings every week where 30-40 people from CCA and other research groups gathered to discuss recent developments, present their findings or progress, and talk about anything related to astrophysics and cosmology. It used to feel overwhelming initially since I hadn't participated in anything like this before. Still, as time passed, I started feeling more comfortable among them; I started asking questions, discussing interesting papers and ideas, and even presented my previous work once! It was an excellent way to hone my scientific acumen and interact closely with people in my field, and honestly, I couldn't thank them more for that. I intend to stay connected with CCA even after this project ends. The people associated with it are not just brilliant minds but also highly considerate and helpful.