





GAURANSH KUMAR

 [gauranshkumar](https://github.com/gauranshkumar)  gauransh.kumar@umontreal.ca  [gauranshk21](https://www.linkedin.com/in/gauranshk21)  [gauranshkumar.github.io](https://github.com/gauranshkumar)

Education

Université de Montréal

Sep 2023 – Present

MS in Computer Science

Maharaja Agrasen Institute Of Technology

Aug 2020 – July 2023

B.Tech in Computer Science & Engineering (L.E)

CGPA : 9.0

Ambedkar Institute Of Technology

Aug 2017 – Jul 2020

Diploma in Computer Engineering

Percentage : 83.46

Vidya Bharati School

Apr 2015 – Mar 2017

Matriculation (10th)

CGPA : 8.0

Experience

Datazip

December 2022 – June 2023

DevOps Intern

Bangalore, India

- Work on Amazon EKS, Terraform, EC2, Kubernetes
- Reduced total cost of stack by 20% using Kubernetes ingress and removing unnecessary Load Balancers.
- Help to tune performance and ensure high availability of infrastructure, including reviewing system and application logs
- Deploy, manage, and operate scalable, highly available, and fault-tolerant systems on AWS
- Leverage AWS, SDKs to interact with AWS services from applications.

Université de Montréal

July 2022 – Oct 2022

Mitacs Globalink Research Intern'22

Montreal, Canada

- Worked with Prof. Eugene Syriani on project ReLiS.
- ReLiS is a tool developed to perform Systematic Literature Review with major focus on Software related Research.
- Redesigned the Deployment Architecture based on Microservice architecture.
- Fixed many bugs and added minor features.
- Rewritten Bibler Webservice reducing the codebase by up to 90% and changing the WSGI to ASGI server for faster and asynchronous performance.
- Deployed the new microservices based Relis on the Server.

AICrowd

Nov 2021 – May 2022

Technical Staff Intern

Remote (Switzerland)

- Worked towards improving the user experience specifically for debugging the submissions on the platform.
- Helped with the manual testing and feedback of new features of the AICrowd platform
- Contributed well-documented code of sufficient quality to the components of the AICrowd software architecture.
- Identified and reported critical issues across the AICrowd software architecture

Defence Terrain Research Laboratory, DRDO

Dec 2019 – Mar 2020

Research Intern

Delhi, India

- Worked on Geo-Spatial Image Analysis and *Off-Road Shortest Path Detection Scenario*.
- Researched Image Analysis using Machine Learning.
- Fixed bugs and added features to the internal web server.
- Worked on QGIS, Python, GDAL, and several tools of Geo-Spatial Analysis.

Projects

Anuvaad | Python, NLP, Flutter

Mar 2021

- **Objective** : Created an **Video-To-Video Translation** App using Natural Language Processing for helping students to learn from any video lecture in their native language.

Chithi | Python, Streamlit

Oct 2021

- **Objective** :An Application to help people in **bulk emailing**.
- Included features like recipients selection via Excel, CSV, TSV files.
- Includes **Markdown HTML supported Rich Editor** with live Preview.
- Github Repo: <https://github.com/gauranshkumar/chithi>

Butterfly | Flutter, Android Studio

June 2021

- **Objective** : A Flutter App to help people deal with Mental Health Issues
- Github Repo: <https://github.com/gauranshkumar/butterfly>

Technical Skills

Languages: Python, YAML, C, C++, HTML/CSS, Dart, Java

Developer Tools: VS Code, Jupyter, Vim, Android Studio, Git, conda, Gitlab

Technologies/Frameworks: Kubernetes, DevOps, GitHub, Docker, Terraform, AWS, Linux GNU Command line tools, Data Science, Machine Learning, Natural Language Processing

Coursework & Certifications

- Certified Kubernetes Application Developer (**CKAD**)
- IBM Python Data Science Professional Certificate
- Google Cloud Certified Cloud Digital Leader
- SQL for Data Science
- Flutter Introduction
- Data Structures And Algorithms

Leadership/Extracurricular Achievements

- Selected as a Delegate to **Harvard's HPAIR** Conference in a pool of 300 delegates around the globe.
- Selected as **Mitacs Globalink Research Intern' 22** at University Of Montreal, Canada for a 3 months full time Intern Role among thousands of applicants from around the Globe.
- Two times Recipient of the **Linux Foundation Scholarship 2020 & 2022** among 500 students globally.
- Selected as **Google Cloud Facilitator** for Google Developers Student Club MAIT 2022
- **Ex-DevOps Lead** at Google Developers Student Club MAIT.
- **Development Head** at Computer Society Of India - MAIT Chapter.
- **Volunteered** many International conferences *ICDAM, DoSCI, ICICC*
- Maintainer of **screeninfo** package at **conda-forge**.
- **Won Hack The Solution Hackathon** among *117+ teams and 500+ participants*.
- **Second Runner-up** at *Code Innovation Series Hackathon* among *50+ teams*.
- **Sponsorship & HR Lead** at *Cod{ON}fest'21* by Skillship Foundation.