



uOttawa

# Aryan Gulati

Master of Computer Science  
Concentration in Applied Artificial Intelligence (Co-op)  
University of Ottawa

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GitHub | Website  
Kaggle | Medium

## EDUCATION

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- **University of Ottawa** 2023-2025  
*Master of Computer Science (AI);* Ottawa, Canada  
– App of NPL & ML in Software Eng, AI-Enabled Software Verif & Test, AI-for CyberSecurity App; Grade : A+
- **Guru Gobind Singh Indraprastha University** 2018-2022  
*Bachelor of Technology (CSE); Percentage: 92.2%* Delhi, India
- **Bal Bharati Public School, GRH Marg** 2016-2018  
*Senior Secondary (CBSE); Percentage: 88%* Delhi, India
- **Bal Bharati Public School, GRH Marg** 2003-2016  
*Secondary (CBSE); Percentage : 93.1%* Delhi, India

## EXPERIENCE

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- **University of Ottawa | Professional Practice in Computing** Jan 2023 - Present  
*Corrector | CSI/ELG/SEG2911D* Ottawa, Canada  
– Evaluated and provided constructive feedback on assignments, and exams in the Professional Practice in Computing course at the University of Ottawa.
- **Infosys | Strategic Technology Group** July 2022 - Aug 2023  
*Digital Specialist Engineer* Chandigarh, India  
– Worked in the ADM (Application Development and maintenance) unit, gaining experience in application development and maintenance across various technologies and platforms.  
– Specialized in the **AINAUTO** (AI and Intelligent Automation Solutions) unit, focusing on AI automation projects across different applications.  
– Utilized packages, including Dbias, to detect bias and ensure **fairness in AI solutions**.  
– Additionally I have had experience working with Ecco to explore and provide explanations for Natural Language Processing (NLP) models.  
– Developed an optimized algorithm for generating recommendations, employing techniques like K-means Clustering.
- **Wipro** Apr 2022 - July 2022  
*Data Analyst Trainee* Delhi, India  
– Worked on a range of projects and gained a lot of knowledge about MLOPs, Power BI, business intelligence, and data analytics.  
– My primary tasks center around AI and **data analytics**. Business needs were examined and converted into technological requirements. Designed Dashboards and modules configured for Business needs and delivered end-to-end data-driven application development.
- **Cognizant** Jan 2022 - Apr 2022  
*Programmer Analyst Trainee* Delhi, India  
– Worked together with teams, on projects mainly concentrating on developing and maintaining web-based applications.  
– Led the development of enterprise-level applications that can scale effectively using development methods.  
– Showcased my skills in crafting SQL queries to handle and manipulate data in MS SQL Server.  
– My expertise is creating solutions using ASP.NET, C#, MVC, microservices, and APIs.  
– Additionally I am proficient in working with **cloud platforms**, like Microsoft Azure to ensure deployment and scalability of applications.
- **Engineers India Limited** Oct 2021 - Nov 2021  
*Vocational Trainee* Delhi, India  
– Focused on software approaches and honed expertise in SQL.  
– Proficient in utilizing the ASP.NET MVC framework and Visual Studio for application development.  
– Actively involved in creating applications and collaborating with internal teams to explore future prospects in End Point Detection and Response (EDR) within the cybersecurity domain.
- **Omdena** Feb 2021 - Apr 2021  
*Machine Learning Intern* Remote  
– Collaborated on a project aimed at "Generating More Jobs & Fairer Societies Through Predicting Optimal Impact Investing Strategies."  
– **Developed predictive models that forecasted the economic impact of startup investments.**  
– Designed a model that predicted the economic impact of startup investment built on data collection, data analysis, and predictive modeling collaboratively

## ACHIEVEMENTS

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- **10x Microsoft Azure Fundamentals Certified:** AI-102, DP-100, DP-203, AI-900, DP-900, AZ-900, AZ-104, AZ-204, AZ-305 PL-900
- **Beta Microsoft Student Ambassador:** Empowering peers with tech expertise through Workshops and Tech-Talks
- **Infosys Certifications:** ML Professional, Python Associate
- **IEEE-CS Artificial Intelligence Head:** at IEEE Research Team GGSIPU
- **Google HashCode:** Global rank 1133, All India Rank 241
- **Google CodeJam:** Round 1A 2020
- **Devcation 2022 Hackathon:** Jury Award by Google Developer Student Club
- **WomenWhoCode Speaker & Leader:** Showed the implementation of K-Means algorithm on real-world datasets in Python and helped in Live QnA sessions during various webinars.
- **HackerRank Profile:** SQL Certified

## PROJECTS

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- **Dominant Colour Detection** *Python, Scikit Learn, NumPy, OpenCV, Matplotlib, Pandas, Seaborn*  
*Project Notebook* **Kaggle**
  - Implemented K-means clustering for dominant color extraction in images, and optimized convergence speed
  - Performed image segmentation, and analyzed image content for efficient color extraction for image processing
- **Voice Notes** *HTML, CSS, JavaScript, Web Speech API, SpeechRecognition API*  
*Voice Notes Web App* **GitHub**
  - Web App to create and edit new notes by voice command or by typing
  - It allows users to create, edit, save, listen to, and delete notes, providing a comprehensive note-taking experience.
- **Organ Donation System:** System is to simplify and automate the process of searching the organ in case of emergency and maintain the records of organ donors, recipients, and hospitals.
- **Covid-19 Spread Analysis Website:** Created a website that includes info. about COVID-19 and helped people to see spread analysis across the world. Also, analyzed the word cloud from the Twitter feed about coronavirus.
- **Character Predictions:** It predict the next character given all previous characters.
- **Real-Time Face Filters:** It can add face filters like Instagram on your face.
- **Other Projects:** Projects on Linear Regression

## SKILLS

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- **Programming/Tools:** Python, Machine Learning, AI, OpenCV, Software Development, C#, C++, Git, GitHub, Microsoft Technologies, Data Science, SQL, HTML, CSS, AWS SageMaker, WebScraping, NLP, Data Analytics, JavaScript, Algorithms, Statistics, LaTeX
- **Soft Skills:** Problem Solving, Analytical thinking, Interpersonal skills, Research, Project Management, Strategist, Teamwork, Collaboration, Avid learner, Proficient writer, Organized and Detail oriented, Adaptability and continuous learning
- **Courses:** Software Engineering, Database Management Systems, Object Oriented Programming, Data Structures and Algorithms, Operating System, Operation Management, Data Analytics, Artificial Intelligence, Computer Vision, Machine Learning, Web Intelligence And Big Data, Data Mining And Business Intelligence, Introduction To Programming, Foundation Of Computer Science, Object Oriented Programming, Database Management Systems, Advanced DBMS, Design And Analysis, Software Testing And Quality Assurance, Software Project Management, Industrial Management, Numerical Analysis And Statistical Techniques
- **Interests:** Machine Learning, Data Mining, Natural Language Generation, Predictive Modeling, Deep Learning, Natural Language Understanding, Generative Models(GANs), Big Data, Human-Computer Interaction, Data Ethics, Regulating Artificial Intelligence

## VOLUNTEER EXPERIENCE

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- **Professional Development Club (PDC), Ottawa, Ontario:** Engaged in Professional Development Club (PDC) to enhance skills and network with industry professionals, showcasing commitment to continuous learning and career growth.

## LANGUAGES

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- **English:** Native or Bilingual Proficiency
  - **Hindi:** Native or Bilingual Proficiency
  - **French:** Elementary Proficiency
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