

# MADHUV SHARMA

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## EDUCATION

<b>University of Waterloo</b> BCS	Waterloo, ON, Canada September 2021 - May 2026
<b>Guru Nanak Public School</b> Class XII Non-Medical	Chandigarh, India April 2020 - June 2021
<b>Strawberry Fields High School</b> Class X <i>GPA: 3.72 (93%)</i>	Chandigarh, India April 2018 - March 2019

## WORK EXPERIENCE / INTERNSHIPS

<b>Techweirdo</b> <i>Tech Intern</i>	Kolkata, WB, India May 2021 - Present
<b>Tata Consultancy Services</b> <i>Project Intern</i>	Mumbai, MH, India June 2021 - August 2021
<b>Hamari Kaksha</b> <i>Teacher / Mentor</i>	Chandigarh, India April 2015 - March 2019
<b>Residents Welfare Association</b> <i>Volunteer</i>	Panchkula, HR, India April 2020 - June 2021
<b>Manipal Institute of Technology (MIT)</b> <i>IoT Project Intern</i>	Manipal, KA, India May 2018 - June 2018
<b>Northwestern University, Algebra Honors</b> <i>Summer Trainee (98.1%; A+)</i>	Evanston, IL, USA June 2017 - July 2017

## SKILLS

Programming Languages: Java, Python, C, R, C++, JavaScript

## PROJECTS

<b>Hotel Reservation System</b> <i>Java</i>	<a href="https://github.com/madhuv-sharma/hotel-reservation-system">https://github.com/madhuv-sharma/hotel-reservation-system</a>
<b>Bank Account Management System</b> <i>Java</i>	<a href="https://github.com/madhuv-sharma/bank-account-management-java">https://github.com/madhuv-sharma/bank-account-management-java</a>
<b>Bank Account Management System</b> <i>C</i>	<a href="https://github.com/madhuv-sharma/bank-account-management-c">https://github.com/madhuv-sharma/bank-account-management-c</a>
<b>Student Management System</b> <i>C</i>	<a href="https://github.com/madhuv-sharma/student-management-system">https://github.com/madhuv-sharma/student-management-system</a>
<b>Nearest PostCodes Calculator</b> <i>Python, CSV, Math, BS4, Requests</i>	<a href="https://github.com/madhuv-sharma/nearest-postcodes-calculator">https://github.com/madhuv-sharma/nearest-postcodes-calculator</a>
<b>Sentiment Detection</b> <i>Python</i>	Automate detection of different sentiments from textual comments and feedback
<b>Traffic Management Project</b> <i>Computer Vision, Machine Learning/Deep Learning, 5G, GPS, Fintech Payment Gateways</i>	
<b>Canadian Driving Licence OCR</b> <i>Python, Pytesseract, DiffLib, Numpy, CSV, Cv2, JSON, Sys</i>	
<b>Face Recognition Flask API</b> <i>Python, Flask, MTCNN, Tensorflow, Keras, PIL, Scipy, Matplotlib, JSON</i>	
<b>Smart Dry &amp; Wet Waste Segregator</b> <i>Arduino, Python, IoT</i>	
<b>Telegram Message Broadcaster</b> <i>Python, Telegram API, Telebot, Telethon</i>	

## AWARDS & CERTIFICATES

<b>Euclid Contest</b>	CEMC - University of Waterloo I received a Certificate of Distinction and featured in the International Roll of Honor for achieving an International Rank of 234 out of 20603 participants in Euclid 2021, held by The Centre For Education in Mathematics and Computing (CEMC), University of Waterloo, Ontario, Canada. May 2021
<b>International Excellence Award</b>	SAFA - University Of Waterloo CAD 20,000 Faculty of Mathematics International Excellence Award - India March 2021
<b>Presidential Merit Scholarship</b>	SAFA - University Of Waterloo

CAD 2,000 Presidential Merit Scholarship Holder

March 2021

**JEE Mains 2021**

National Testing Agency (NTA), India

I had scored 97+ percentile overall and an All-India Rank # 1340 in Mathematics (with 99.79

percentile) among 650,000+ students, who had participated in it.

February 2021

**Online Courses**

edX, Udemy & Pluralsight

Completed various online certified courses in Mathematics, Java, Python etc, scoring 100%, 99.72%, 99.32% in a few of them.

**Senior IT Quiz Finalist**

Cambridge International Examinations

I represented our School in a Senior IT Quiz, ShriTech, held at The Sri Ram School, Gurugram, and was the finalist.

Oct 2018

**Clash Of Pi**

Quanted Pte, Singapore

I attained a School Rank # 1 and an All India Rank # 74 in the Mathematical Contest held by

Quanted Pte Singapore.

2018

**Curiosity Talent Search Examination**

American Society of Civil Engineers (ASCE)

I got a Zonal Rank # 12, along with a Certificate and a Trophy, in the Curiosity Exam held by

American Society of Civil Engineers (ASCE), in collaboration with Punjab Engineering College (PEC). 2018

**School Spirit / CAS Fest**

Strawberry Fields High School

I stood first in - "Bits and Bytes", a Java programming contest , "Locked in Science", a Science

Competition , "Science Innovators' Challenge" , "Inter-House Maths Quiz"

2018

**Australian National Chemistry Quiz (ANCQ)**

Royal Australian Chemistry Institute (RACI)

I had received a Certificate of Distinction in the ANCQ held by the Royal Australian Chemistry

Institute (RACI)

2018

**Mathematics and Science Olympiads**

Science Olympiad Foundation

International Mathematics Olympiad (IMO), International Rank # 389 ; National Science Olympiad

(NSO), International Rank # 315

2017

**CS Olympiad**

Silverzone Foundation

International Informatics Olympiad (IIO), International Rank # 439

2017