

# Muskaan Chopra

2nd Year Undergraduate  
Department of Computer Science & Engineering  
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## Academic Qualifications

Year	Degree/Certificate	Institute	CGPA/%
2019 - Present	B.E.	Chandigarh College of Engineering & Technology, Panjab University, Chandigarh	9.11/10
2019	CBSE(XII)	Kendriya Vidyalaya , Chandigarh	91.8%
2017	CBSE(X)	Kendriya Vidyalaya, Jaipur	10/10

## Industrial Experience

- **RESEARCH INTERN** (April'21- Ongoing)  
Design Innovation Centre, Panjab University
  - Working on Predictive Maintenance for early prediction of faults in machine.
  - Working on Thermal Predictions and Forecasting using ML Models.
- **STA Program 2021 - ICMR - CIBIOD, PGIMER** (March'21-Ongoing)
- **UI Intern** (Dec'20- Feb'21)  
Scanta, Inc
  - Assisted in Developing a Javascript based Front-End with Docker Integration.
  - React - based UI for Bot Security.

## Research Experience

- **An Inquisitive Prospect On The Shift Towards Online Form Of Digital Media, Before, During, And After The COVID-19 Pandemic: A Technological Analysis(Submitted Work)** (Feb'21- March'21)  
Mentor: Dr. Sunil K. Singh (Professor And HoD, Dept. Of CSE, CCET)
  - Gathered data from SimilarWeb, formulated them into different datasets as per need.
  - Discussed the role of COVID-19 in the surge of Meeting platforms, E-Learning Platforms and alsopredicted the number of Digital Media users to rise to 796.45 Million by 2031.
- **An Investigative Study Into The Impact Of Artificial Intelligence And Internet Of Things In Modern Times And Hereafter (Submitted Work)** (Oct'20-Feb'21)  
Mentor: Dr. Sunil K. Singh (Professor And HoD, Dept. Of CSE, CCET)
  - Elaborated on the architecture of Artificial Intelligence and Internet of Things
  - Analyzed the trends in AI and predicted the number of connected IoT devices to increase to 65 Billion by 2032 using forecasting.
- **Two Papers Submitted In National Language To UGC Journal (Submitted Work)** (Oct'20-March'21)  
CSTT, Ministry Of Education, India
  - Influence of Artificial Intelligence and the Internet of Things: An investigative analysis.
  - Anomalous possibility of online change of digital media in COVID-19 epidemic: A Technical Analysis.

## Technical Skills

- **Programming Languages:** C, C++, Python, R
- **Web Development:** Javascript, Angular, React, Bootstrap, Materialize, SQL
- **Artificial Intelligence:** Data Science, ML/DL Algorithms, NLP
- **Operating System:** Windows, Linux

## Projects

- **Temperature Prediction** [LINK](#) (April'21)
  - A time-series prediction project based on ARIMA with RMSE of 4.09%.
- **CCET ACM Student Chapter Website** [LINK](#) (April'21)
  - Developed website with team for CCET ACM Student Chapter.
- **College Grievance System** [LINK](#) (Jan'21)
  - Maintained the Database of the Grievance system of my College in MySQL.
- **Developed Website For Project XLR8** [LINK](#) (Aug'20)
  - Project XLR8-Connecting NGOs, is an organisation that aims to hold a meticulous database of all known NGOs and Volunteers in India.
- **COVID-19 TRACKER-In Angular CLI** [LINK](#) (July'20)
  - A covid-19 tracker made in Angular framework which fetches data from an API key.All components of UI/UX were also developed from scratch.

- **Virtual Doctor In C++** [LINK](#) (May'20)
  - Provides an instant and portable method of disease diagnosis and booking appointments generates a meaningful set of details about the diseases, symptoms services.

## Positions of Responsibility

- **CCET ACM Student Chapter**
  - Membership Chair (2021 - Present)
  - Lead Editor for Chapter Magazine (2021 - Present)
- **Chandigarh College of Engineering & Technology**
  - Website Reviser (2020 - Present)
  - E Cell Coordinator (2020 - Present)
  - Training & Placement Coordinator (2020 - Present)
  - Class Representative (2020 - Present)

## Presentations and Training

- **Presentations**
  - Lecture followed by Hands-on Workshop On Logo-Design in Adobe Illustrator organized by CCET ACM Student Chapter, Chandigarh. (April'21)
  - Seminar, on “AI, ML and IoT in National Language”, as a part of A four-day national webinar by technology experts on the role of technology in making India Self Reliant, by CSTT, Indian Ministry of Education. (Oct'20)
- **Training**
  - Digital Intelligence Virtual Case Experience by PwC (May'21)
  - Successfully completed Engineering: Undergraduate Masters Asia Virtual Experience Program by Microsoft (May'21)
  - Successfully completed Microsoft AI Classroom Series (Nov'20)
  - Cleared Round 1 of National Level Hackathon, Game of Codes. (June'20)