

Chetan Madan

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Education

Bharati Vidyapeeth's College of Engineering, Guru Gobind Singh Indraprastha University

B.TECH., COMPUTER SCIENCE AND ENGINEERING (GPA: 8.5/10)

New Delhi

2017 - 2021

Additional Courses/Certifications

Centre for Continuing Education, IISc

ADVANCED DEEP LEARNING (GRADE: B)

Bangalore

2022

Deeplearning.ai (Coursera)

CONVOLUTIONAL NEURAL NETWORKS IN TENSORFLOW

July, 2020

Experience

Thoughtworks

APPLICATION DEVELOPER - CONSULTANT

August 2021 - Present

- Worked on the Mercedes-Benz account with to build a platform for modernization of their sales platform.
- Worked on technologies including Kotlin, Neo4j, GoCD and Kubernetes.

OpenMined

MENTOR

December 2020 - Present

- Mentored students of the Private AI Course.
- Gained deeper knowledge of PySyft and PyGrid and their use in federated learning.

Projects

CodeFed

AUDIO PROCESSING, DEEP LEARNING, FEDERATED LEARNING

January 2021 - April 2021

- Built a privacy preserving Code-Switching detection system
- Capable of detecting frame level code switching between English, Tamil, Telugu and Gujarati with 81% accuracy.

Do It Right

COMPUTER VISION, POSE ESTIMATION, DEEP LEARNING

November 2018 - February 2019

- Real-time feedback system to detect if a user is performing an exercise properly.
- Detected keypoints on a user's body and calculated relative slopes.
- Compared relative slopes to calculate correctness of user's posture.

Mountain Hike

DEEP LEARNING, COMPUTER VISION, V2V NETWORKS

November 2018 - Present

- Driving assistant that gives a driver accurate picture of other cars in a radius of 200 metres
- Used deep neural network to suggest appropriate reaction based on surroundings of the vehicle

Volunteer Experience

Microsoft

MICROSOFT LEARN STUDENT AMBASSADOR (GOLD)

September 2019 - Present

- Gained experience about new tools and frameworks for machine learning, robotics and electronics.
- Held regular meetups with students to discuss and share knowledge on emerging technologies.

Developer Student Clubs by Google Developers (DSC BVP)

HEAD, MACHINE LEARNING

May 2019 - May 2020

- Promoted technical education by taking workshops and sessions on machine learning.
- Held discussions with students to discuss latest research.

Skills

Programming Python, C, C++, Kotlin, Java, Scala

Deep learning PyTorch, PySyft, Tensorflow, Keras, Scikit-learn, Caffe

Honors & Awards

2022 **Winner**, Grand Hackathon by **Open Network for Digital Commerce** by Department for Promotion of Industry and Internal Trade (DPIIT) under the Ministry of Commerce and Industries

2020 **Winner**, India Automation Games by **International Society of Automation (ISA) - District 14** and MPSTME
Qualified for **ISA-SAIT Automation Games, Canada**

Mumbai, India

2020 **Invitee**, Microsoft **Asia Student Partner Summit 2020** and **Imagine Cup Regional Finals**, Singapore

Singapore

2019 **Winner**, Vihaan Hackathon by **IEEE, DTU**

Delhi, India

2018-2019 **Semi Finalist**, IICDC by **Department of Science & Technology** and Texas Instruments

2018 **Winner**, UHack 3.0 Hackathon in USICT, Delhi

Delhi, India