

KARAN SHAH

Final Year B.Tech Student
Computer Science and Engineering
Government Institute of Technology
Gopeshwar, Uttarakhand

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Academic Details

- Bachelor of Technology (B.Tech), Computer Science
Govt. Institute of Technology, Gopeshwar (Uttarakhand Technical University)
2017 - 2021
Percentage: 76 %
- Senior Secondary (XII), Science
Kendriya Vidyalaya IIT Kanpur (CBSE INDIA)
Year of completion: 2016
Percentage: 77.8 %
- Secondary (X)
Kendriya Vidyalaya IIT Kanpur (CBSE board)
Year of completion: 2014
CGPA: 9.00 / 10

Internships / Workshops

- Subject Matter Expert (Computer Science) at Chegg
Chegg, India
Mar 2021 - Current
- Cloud Applications Development Intern
The Sparks Foundation, Singapore
Jun 2020 - Jul 2020
- Global Quantum Programming Workshop
QWorld, University of Latvia
Nov 23 – 28, 2020
- The Data Scientist's Toolbox certification
John Hopkins University (Offered through Coursera)
Jun, 2020
- Artificial Intelligence and Deep Learning Workshop
Institute of Technology Gopeshwar
July, 2020

- Machine Learning Using Python

Institute of Technology Gopeshwar (ProgrammingDays)

Sep 16 – 20, 2019

- LATEX Workshop

IEEE Branch ,IIST Kerala

March, 2018

Achievements

- Team Lead and Finalist of SIH -2019

Smart India Hackathon is a national level 36 hour Hackathon, organized by the government of India. My team was working on Drone Disaster Identification System and made our way to the final after getting selected from the pool of 36 teams and two rounds of selection.

March 2019

- Team Lead and Finalist at National Level AI Hackathon

National Level AI Hackathon was organized by IBM and OpenPower at NIE, Mysore. Our team was working on Object Classification in 3D point Cloud using PointNet Architecture. Finally, we made our way to the top 4 teams after two rounds of judging.

Sep, 2019

- Regional Finalist of IIC Mentoring Session

IIC mentoring session was organized by MHRD's Innovation cell, best ideas were selected at the regional level and, were invited to attend a mentoring session at NSUT Delhi. We displayed our "AI - based UAV for Disaster Management".

Aug, 2019

Projects

- Covid-19 Detection based on Chest Radiography

Apr 2020

This project was made during the early phase of the Covid-19 spread, to detect Covid-19 pneumonia from radiography images. This project was made keeping the worst-case scenario in mind and was one of the earliest projects based on this approach.

Link to project: github.com/karanshah7371/Covid19Xray/

- Path Optimization and Slicer for Rapid Prototyping Machine

Dec 2020 – Present

A minor project towards my degree, which aims to optimize total path travelled by print head of rapid prototyping machines and to reduce total printing time.

- Prototype UAV for Disaster Management

Mar, 2019 - Present

This project aims at creating AI-based autonomous UAV solutions for purpose of disaster management and assistance in rescue operation (Especially for Hilly terrain).

Extra-Curricular Activities

- Top Coder in CodinGame

CodinGame is a prestigious competitive coding website. Ranked top 95% among all programmers.

- Student Member ACM

Being a student member of ACM (Association for Computing Machinery), I regularly participate in conferences and promote events among fellow students.

Computer Skills

- Programming Languages: C, C++, Python, JAVA, ReactJS, PHP, SQL, and MATLAB.
- Software Packages: Simulink / MATLAB, Android Studio, Xilinx ISE, Microsoft Office, Qiskit.
- Cloud Technologies: Amazon AWS, Google GCS and Firebase
- Platforms : Linux and Windows