# Aman Kumar

## Computer Science, B. Tech

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## Education

- **B. Tech, Computer Science and Engineering (2017 - 2021)**
  National Institute of Science and Technology, Berhampur
  CGPA – 8.5

## Technical Skills

- Language: C, C++, Python
- IT Constructs:
  - Data Structure
  - Algorithms
  - OOPS (Object Oriented Programming)
  - Machine Learning
  - HTML5
  - CSS
  - JavaScript
- DB language: SQL
- Development tools:
  - Jupyter Notebook
  - Sublime Text 3

Platforms - Linux, Windows

## Projects

- Scene Understanding with First Person Vision System (MAJOR PROJECT)
  The project aims at the identification of the objects in a scene and their interrelationship using first vision camera systems. Here, I have employed Deep Network based classification that is YOLO methodology to identify and localize the objects present in the scene and currently working on approaches for analyses of the interrelation of the object to interpret the scene.
- Fashion Clothing Classification System using CNN
  The project was to build a system that can help model classify different clothing items into their category such as shoes, shirts etc.
- Handwritten Digit Recognition System
  Using Neural Networks, I have prepared a model that can help recognise human hand written digits. The project was developed on Google Colab Environment.

## Training and Certifications

- Python Programming (Internshala, Date – 25th Aug 2018)
- Machine Learning (coursera.org, Date – 30th Dec 2019)
- Neural Network and Deep Learning(coursera.org)

# Experience

➢ Teaching Assistant, TA (Jan 2020 – March 2020)

   I was shortlisted for this position by NIST, Berhampur and got a chance to work as TA under Professor Rabindra Kumar Shial for duration of 3 months.

# Achievement

➢ TCS Codevita Season 9, All India Rank – 1420 (Date – 1st Sep 2020)

➢ Hackerrank 5*(Gold Bandage) in C++

➢ Hackerrank Problem Solver (Hackerrank, Date – July 2020)

➢ Runner Up at Annual Coding Contest organized by Club Excel, NIST.

➢ Finalist of Debugger of the Year organized by Cloud Computing Club, NIST.

# Extra-curricular Activities/ Interest

➢ Core Member of Data Science Club, NIST

➢ Reading Books

➢ Sketching

➢ Travelling

# Contacts

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