KRISHNENDU MAJI

IIT (BHU) Varanasi

Senior undergrad looking to explore software engineering and related fields.

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EDUCATION

B.Tech In Electronics Engineering
Indian Institute Of Technology, Varanasi
2017-Present
CGPA : **9.61** | **Department Rank 3**

Higher Secondary School (Class XII)
DAV Public School, CSP, BBSR
2016   **94% (CBSE)**

Secondary School (Class X)
DAV Public School, Paradeep
2014   **CGPA: 10 (CBSE)**

WORK EXPERIENCE

Samsung R & D Institute, Bengaluru
May 2020 – July 2020

Handwriting Trajectory Recovery for Low Resource Indian Languages

Tasks:

- Worked under the team 'Input Method Intelligence' under the Advanced Tech Lab.

- Recovered temporal information from handwritten image using deep learning based Autoencoder to enhance recognition algorithms.

- Achieved about **90%** recognition accuracy in Tamil and Devanagari scripts.

Exposure: Sequential models – LSTMs, Tensorflow.

Changwon National University, South Korea
May 2019 – July 2019

Real Time Distant Face Recognition Using Super Resolution

Under Oh Seol Kwon, Head , Imaging Systems Lab

Tasks:

- Designed a real time method that can recognize faces at a distance up to **8-9 mtrs**.

- Implemented HOG and PCA based face recognition and used super resolution based on CNNs, GANs to increase recognition distance by **~50%.**

Exposure: Computer Vision, Image and Video processing, Deep Learning– CNNs.

AREAS OF INTEREST

Data Structures   Algorithms   Deep Learning

Machine Learning   Computer Vision

TECHNICAL SKILLS

Languages: Proficient in C/C++, Python.
Technologies & libraries: OpenCV, Sklearn, Tensorflow, MS Excel.

RESPONSIBILITIES

Coordinator at Mosaic 2020

- Set problems for the ML based event.
- Organized and evaluated the event which had more than **100 participants**.

Student Mentor at Bolo App

- Created over **70 videos** on JEE Counselling.

Events Executive at Modex 2019

- Organized the event which was a part of Technex 2019 (technical festival of IIT BHU).
- Invited over **50 teams** from various colleges.

Student Representative at IRO

- Part of the **content team** at International Relations Office (IRO) of IIT BHU.

HONORS AND ACHIEVEMENTS

- Awarded the prestigious KVPY Scholarship, with All India Rank 329.

- Among the top 1000 students in India receiving NTSE scholarship.

- Secured 651 Rank in ACM ICPC 2018-19 in Online Round of India.

- Participated in Google Hash Code 2019 and secured 87 Rank in India

INTERESTS AND HOBBIES

Tabla, Chess, Badminton, Table Tennis.