

ABHISHEK JANA

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EDUCATION AND WORK EXPERIENCE

Graduate Research Assistant (Computational Physics)

Kansas State University

CGPA: 3.55/4.0

August 2016 – Ongoing

Manhattan, Kansas

Integrated BS-MS (Physics major)

IISER Kolkata

CGPA : 3.5/4.0

August 2011 – August 2016

Kolkata, India

Machine Learning Engineer/Full Stack Developer Intern

DialoggBox

July 2020 – August 2020

San Francisco, California

- Enhanced the company's AI ML modeling programs and website.
- Developed integration and add-ons for Zoom marketplace, Google suite, Microsoft teams, AI NLP integration, Payment integration, etc.

PROJECTS

Fingerprint Verification System

August 2019 – Ongoing

Kansas State University

- Built techniques to utilize a well-performing neural network (NN) architecture (like VGG16, InceptionV3) for improving accuracy on a fingerprint verification system.
- Adapted well-known techniques in cryptography (like fuzzy extractor) to enhance the security of biometric data.

Machine Learning Predictions on HOD Parameters

May 2018 – Ongoing

Kansas State University

- Using AI/ML-accelerated cosmology and alternative statistics to improve the Cosmological Evidence Modeling constraining power.

People Counter App

June 2020 – July 2020

- The **people counter application** demonstrates how to create a smart video IoT solution using Intel® hardware and software tools. The app will detect people in a designated area, providing the number of people in the frame, the average duration of people in the frame, and total count.

Computer Pointer Controller

July 2020 – August 2020

- The **Computer Pointer Controller app** is built using Intel OpenVINO toolkit. This app is used to control the mouse pointer using our eye and head movement. We can use a recorded video stream or a webcam directly for the input.

CERTIFICATES

Deep Learning Specialization

Coursera

June 2019 – No Expiration Date

Python for Data Science and Machine Learning Bootcamp

Udemy

July 2019 – No Expiration Date

SKILLS

Technical

Python Keras Tensorflow PyTorch
AWS Microsoft Azure Intel EdgeAI

Professional

Learning Potential Problem Solving
Hard Working Team Work
Time Management

LANGUAGES

English Hindi Bengali

AWARDS

- Recipient of the **Intel Edge AI scholarship** awarded by Udacity
- Recipient of **Microsoft Scholarship Foundation course, Machine Learning** awarded by Udacity

ACTIVITIES

- Educator at Numerade:** role involves teaching comprehensive solution to Physics problems and concepts since April 2019
- Event organizer of Land of Secret Treasures (L.O.S.T.):** led a group of 10 people for a treasure hunt event at a science festival in India.
- Participated at various state and national level volleyball competitions in India and USA