

# Subrat Prasad Panda

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## EDUCATION

### Indian Statistical Institute

*Master of Technology in Computer Science, CPI: 76.3%*

Kolkata, India

*Jul. 2019 – Jun. 2021*

### National Institute of Technology

*Bachelor of Technology in Electronics and Instrumentation Engineering, CPI: 7.92/10*

Silchar, India

*Aug. 2012 – May 2016*

## EXPERIENCE

### Aviation Officer

*Hindustan Petroleum Corporation Limited(HPCL), Chandigarh International Airport*

- Maintenance, Repair and Management of Equipment for Aircraft Refueling

Jul 2016 – Oct 2018

*Chandigarh, India*

### Summer Intern

*Defence Research and Development Organization (DRDO)*

- Worked on an Image Processing Project at Defence Terrain Research Laboratory (DTRL) of DRDO

May 2015 – Jul 2015

*New Delhi, India*

## PROJECTS & PUBLICATIONS

1. (Ongoing Work) System Dynamics at the Edge and User Allocation: A Deep Reinforcement Learning Approach. (This work is a part of possible M.Tech thesis work on Machine Learning at the Edge)
2. Conference Paper on: "Joint Service Allocation and Placement in Mobile Edge Computing using Stochastic Optimization," IPDPS 2021. (Submitted)
3. Conference Paper on: "Dynamic Edge User Allocation with User specified QoS Preferences," ICSOC 2020. (Accepted)
4. Conference Paper on: "Image Contrast Enhancement in Spatial Domain using Fuzzy Logic based Interpolation Method," IEEE-SCEECS, Mar 2016.
5. Real-Time Position Control of DC Motor using PID and Fuzzy Logic, Apr 2016. (B. Tech Thesis)
6. Colored Image Contrast Enhancement in Spatial Domain using Histogram Equalization and Cubic Spline Interpolation, Developed in C++, May 2015 – July 2015(DRDO Summer Intern)
7. Gesture Controlled Mouse Pointer using LabVIEW, April 2015 (Mini Project)

## ACHIEVEMENTS

### General Electric Edition Challenge | *Top 25 Finalist*

2016

- Internet of Things based Engine Exhaust Gas Monitoring System

### Texas Instruments Innovation Challenge 2015 | *1<sup>st</sup> Round*

2015

- Non-Invasive Digital Blood Pressure Meter

## RESEARCH INTERESTS

1. Deep Learning
2. Reinforcement Learning
3. Internet of Things
4. Image Processing

## TECHNICAL SKILLS

**Languages:** Python, C, Matlab, MySQL, HTML, Latex

## RELEVANT COURSEWORK

1. Neural Networks
2. Data-Mining
3. Pattern Recognition and Image Processing
4. Computer Graphics