

# SUBRAT PRASAD PANDA

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## •EDUCATION•

**National Institute of Technology, Silchar**

[2012-2016]

Bachelor of Technology, Electronics and Instrumentation Engineering, Grade (CPI) – 7.92/10.0

## •EXPERIENCES•

**Aviation Executive,**

**Hindustan Petroleum Corporation Limited (HPCL),**

[July 2016 – Oct 2018]

Mohali ASF, Chandigarh International Airport

Maintenance, Repair and Management of equipment for Aircraft Refueling.

**Summer Intern,**

**Defence Research and Development Organization (DRDO),**

[May 2015 – July 2015]

Defence Terrain Research Laboratory (DTRL), New Delhi

## •PROJECTS & PUBLICATIONS•

1. Research Paper on: “*Image Contrast Enhancement in Spatial Domain using Fuzzy Logic based Interpolation Method*,” IEEE-SCEECS, Mar, 2016. [\[Link\]](#)
2. Real-Time Position Control of DC Motor using PID and Fuzzy Logic [2], Apr 2016. [\[Link\]](#) (Thesis)
3. Colored Image Contrast Enhancement in Spatial Domain using Histogram Equalization and Cubic Spline Interpolation [3], Developed in C++, May 2015 – July 2015 [\[Link\]](#) (Summer Intern)
4. Modeling of Hybrid Energy Storage for Photo-voltaic Application in Simulink, MATLAB [2]. [\[Link\]](#)
5. Gesture Controlled Mouse Pointer using LabVIEW, April 2015 [\[Link\]](#)

## •ACHIEVEMENTS•

1. **Texas Instruments Innovation Challenge 2015**; Project “*Non-Invasive Digital Blood Pressure Meter*” [\[Link\]](#)
2. **General Electric Edition Challenge 2016**; Finalist; Project: “*Internet of Things based Engine Exhaust Gas Monitoring System*.” [\[Link\]](#)

## •SOFTWARE SKILLS•

1. MATLAB & Simulink
2. LabVIEW
3. MERN
4. C++; Python
5. PLC
6. Arduino

## •RESEARCH INTERESTS•

1. Internet of Things
2. Image Processing
3. Health Informatics
4. Artificial Intelligence

## •HOBBIES•

1. Web Development,
2. Watching TED Talks,
3. Reading Tech Blogs,
4. Badminton,
5. Photography

## •REFERENCES•

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Assistant Professor, Dept. of EIE,  
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