



Subrat Prasad Panda

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EDUCATION

National Institute of Technology, Silchar,

Bachelor of Technology, Electronics and Instrumentation Engineering, 2012-2016 Grade (CPI) – **7.92/10.0**

EXPERIENCE

Aviation Executive,

Hindustan Petroleum Corporation Limited (HPCL), Mohali ASF, Chandigarh International Airport, [July 2016 – Present] Maintenance, Repair and Management of equipment for Aircraft Refueling

Summer Intern,

Defence Research and Development Organization (DRDO), Defence Terrain Research Laboratory (DTRL), [May 2015 – July 2015] Project on Image Processing using C++.

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. [\[Link\]](#)
 3. Modeling of Hybrid Energy Storage for Photo-voltaic Application in Simulink, MATLAB [2]. [\[Link\]](#)
 4. Colored Image Contrast Enhancement in Spatial Domain using Histogram Equalization and Cubic Spline Interpolation [3], Developed in C++, May 2015 – July 2015 [\[Link\]](#)
 5. Gesture Controlled Mouse Pointer using LabVIEW, April 2015 [\[Link\]](#)
 6. Line Follower Bot using IR sensor and Arduino, January 2013
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ACHIEVEMENTS

1. Texas Instruments Innovation Challenge 2015; Project “*Non-Invasive Digital Blood Pressure Meter*” [\[Link\]](#)
 2. General Electric Edition Challenge 2016; Top 25 Finalist; Project: “*Internet of Things based Engine Exhaust Gas Monitoring System.*” [\[Link\]](#)
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SOFTWARE SKILLS

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| 1. MATLAB & Simulink | 2. LabVIEW; My-RIO; C-RIO | 3. MERN Developer, |
| 5. C++ | 4. Programmable Logic Controller | 6. Arduino |
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INTERESTS

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|---------------------|----------------------------|--------------------------|
| 1. Embedded Systems | 2. Mobile Computing | 3. Cyber-Physical System |
| 4. Computer Vision | 5. Artificial Intelligence | 6. Internet of Things |
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HOBBIES

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

[1] Dr. Rajdeep Dasgupta
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[2] Dr. Munmun Khanra
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