

Resume

Payal Nandi

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Carrier Objective

My goal is to secure a in-campus job to earn along with graduate studies, which helps me sustain my living.

Education Qualification

Academic Qualification Course	College/Institute/University	Year of Passing	Percentage/Grade
Ist semester	Old Dominion University	2020	3.6/4
B.Tech Aerospace	HINDUSTANUNIVERSITY Chennai	2016	7.1/10
Higher Secondary 12 th PCM + CS	JAWAHAR NAVODAYA VIDALAYA Sonitpur, Assam (CBSE)	2011	83
Secondary 10 th	JAWAHARNAVODAYAVIDALAYA Sonitpur Assam (CBSE)	2009	87

Computer Skills

- Windows and MS Office
- MATLAB
- STK(Level 2 certified)
- GMAT
- Python 3.7
- Arduino 1.6.9

Visits

- **Visited** Vikram Sarabhai Space Centre (VSSC) - ISRO to practically learn about Indian Space History
- 2015 Attended workshop on shocks and vibration conducted by NAFEMS
- NAFEMS India Regional conference on Engineering Analysis, Modelling and simulation
- HAL Bangalore to understand about the various manufacturing process.
- Attended seminar on Innovation & R&D by Private Industries In Aerospace & Defense Society of Indian Aerospace Technologies and Industries (SIATI)
- Attended NASA Rover Challenge Pre-Workshop at International Space Education Institution
- Leipzig, Germany
- Learned Tram maintenance at Leipzig using Hi-tech and advantage method.
- Attained open house at Team Indus to understand the challenges and overcame it using innovation.

Internships

- Mirage2000 Overhaul Division, Dassault Aviation and Hindustan Aeronautics Limited (HAL) at Bangalore, India from 5th Jan, 2015 to 20th Jan, 2015
- Worked at Flight Dynamics Group (FDG) ISRO Satellite Centre 28th Jan to 29th April 2016

Project Details

Xovian as a control engineering for drone application.

Team Indus Foundation: (Guided by Ex Isro Scientist Natarajan Palaniswamy and Nirmal G)

Orbital and Attitude Planning for MILO Micro Indus Lunar Orbiter

A nanosat for moon designed and to be built with the time span of eight months focused to be cost-effective, reduce turn-around time and to produce minimum space debris and a common design to handle any kind of payload up to one kg. Mission is planned, as it will be completely autonomous while in orbit.

NASA Human Rover Challenge

Project was to design a rover of innovative tires without using readymade available at market and also make it foldable which can be unfolded in fraction of seconds to a min its capable to ride the unparalleled surfaces on Moon or Mars like condition with telemetry to locate it.

8th Semester Project: (Guided by Sharanappa ISRO Er/Scientist)

Relative Attitude Estimation for Spacecraft (RVD) Rendezvous and Docking by LARA Method.

Under **ISRO Satellite Centre Bangalore**

Achievements

Made Provisional Asteroid discovery in Pan-STARS ASTEROIDS SEARCH CAMPAIGN 2015

Completed basic course on Remote Sensing Geographical Information System and Global Navigation Satellite System (ISRO)

Extra-curricular

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|------|--|
| 2009 | 1 st place in 3000m race at Regional School Cluster at Jawahar Navodaya Vidyalaya |
| 2009 | 2 nd place in 1500m race at Regional School Cluster at Jawahar Navodaya Vidyalaya |
| 2016 | Attended a workshop on Fixed wing MAV conducted by NDRF and Avian Aerospace February |

Soft Skills

- Enthusiastic
- Determined
- Committed
- Smart working
- Confident
- Detailed

Personal Details

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| • Date of Birth | 24 th Nov 1992 |
| • Gender | Female |
| • Nationality | Indian |
| • Language | English German Hindi Bengali Assamese |
| • Hobbies | Star gazing, Reading and learning new things |

Declaration

I hereby, declare that the above-mentioned information is true to the best of my Knowledge.