

Contact

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Top Skills

Robotics

Experimental Physics

Matlab

Certifications

Introduction to Data Science in Python (University of Michigan)

Nanotechnology and Nanosensors, Part1 (Technion - Israel Institute of Technology)

Nanotechnology: A Maker's Course (Duke University, North Carolina State University, The University of North Carolina at Chapel Hill)

An Introduction to Interactive Programming in Python (Part 1) (Rice University)

Build an E-commerce Dashboard with Figma

Honors-Awards

KVPY Fellow

Ashwin Kumar K

Student at BITS Pilani, actively looking for internship in Experimental Condensed Matter Physics (Spintronics)

South Goa

Experience

Birla Institute of Technology and Science, Pilani - Goa Campus

Student

August 2017 - Present (3 years 1 month)

Goa

Kaynes Technology India Pvt Limited

Summer Intern

May 2020 - June 2020 (2 months)

Mysore, Karnataka, India

Design and Simulation of Battery Management System Algorithms for Electric Vehicle Applications.

The project involved mapping out BMS requirements, Compute approximate parameter values for a circuit model using data from a simple lab test, Simulate battery packs to understand and predict behaviours on load, Simulate an electric vehicle to yield estimates of the range.

DARE , DRDO

Summer Intern

July 2019 - August 2019 (2 months)

Bengaluru Area, India

Study on Fundamentals of electronic warfare system and Simulation of reticle based IR seeker missile and it's countermeasure in MATLAB
(15 days internship at DARE,DRDO)

Project Kratos

Instrument interfacing

August 2018 - August 2019 (1 year 1 month)

Goa

Member of electronics subsystem and worked in the interfacing of various onboard instruments.

Hyperloop India

Member of Electronics subsystem

August 2018 - August 2019 (1 year 1 month)

Goa

Member of Electronics subsystem.

Worked in the drive system, power system, battery management system for the design of 2018 PDB

National Institute of Science Education and Research

Summer Intern

May 2019 - July 2019 (3 months)

Bhubaneswar Area, India

Worked in the Superconductivity lab at NISER under Dr. Kartik Senapati.

Internship involved the Design and fabrication of a cryogenic probe for transport measurements and interfacing of measurement instruments (LS336, B2912A) using LabVIEW.

Electronics & Robotics Club, BITS Goa

Inventory Head

April 2018 - April 2019 (1 year 1 month)

Goa

Held the position of responsibility of Inventory Head for the Electronics & Robotics Club, BITS Goa

FunDay Sports

Product Engineer

July 2018 - December 2018 (6 months)

goa

Education

Birla Institute of Technology and Science, Pilani

Int. MSc and BE (dual major), Int. MSc Physics and BE Electronics and Instrumentation. · (2017 - 2022)

VVS GJ PU college

· (2015 - 2016)