



SOUBHIK MANDAL

Objective

My goal is to obtain a position in an engineering environment to test out my acquired engineering knowledge with real-time problems and to tackle it with other expert professionals around. Simultaneously educate myself for future leadership roles on similar projects.

Education

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology (Sep 2018- Jun 2022)

B. Tech in Electronics and Communications Engineering

CGPA – 8.09 (Till Date)

KENDRIYA VIDYALAYA No.2 MINNIE BAY PORTBLAIR A&N (May 2018)

12th

65.40 %

KENDRIYA VIDYALAYA NO 1 NAUSENABAUGH VIZAG. AP (May 2016)

10th

87.40 %

Projects

Design Of A Fabric Antenna For 5G Application

(Sep 2021 – Till Date)

Trying to design a compact and low-profile wearable antenna using composite material for 5G application with better gain and operating frequency compared from existing wearable antenna.

Arduino Based Twin Axis Solar Tracking System [[Source Code](#)]

(Jun 2021 – Sep 2021)

Designed for maximizing power output produced by the solar panel by moving it towards the sunrays with the help of LDR sensors and motors.

Arduino Based Greenhouse System [[Source Code](#)]

(Aug 2020 – Nov 2020)

Designed for monitoring of plant health by giving them an adequate amount of water & controlled temperature environment to grow fast.

Real-Time Face Detection System [[Source Code](#)]

(Aug 2019 – Nov 2019)


Designed a system based on python code to detect faces in real-time with the help of the face database and OpenCV library.


Portable Air Conditioner

(Sep 2018 – Nov 2018)

Designed an isolated chamber connected with 2 heatsinks to control the environment inside it by cooling or heating it according to the air which is required by the user and blowing it towards them.

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Skills

Programming Language – C, Python, R & Verilog.

Software Used – Arduino IDE, Ansys, Google Workspace, Keil, Linux, MATLAB, Microsoft Office, Multisim, Optisim, Tinkercad & Vivado.

Industry Knowledge – Analytical Skills, Artificial Intelligence, Design, Embedded System, IoT, Project Management, Statistic & Strategy.

Language Proficiency – English, Hindi & Bengali.

Volunteer Experience

Delegate at Model United Nations (2019 – Till now)

Sergeant at National Cadet Corps (2018 – 2021)

Scout at The Bharat Scouts and Guides (2010 – 2016)

Certifications [\[View\]](#)

Coursera

Foundations: Data, Data, Everywhere (Google), Foundations of Project Management (Google) & Introduction to Data Engineering (IBM).

CISCO Networking Academy

Introduction to Cybersecurity & Introduction to Internet of Things.

MathWorks

Deep Learning Onramp, Image Processing Onramp Machine Learning Onramp, MATLAB Onramp & Signal Processing Onramp.

Workshops [\[View\]](#)

Queuing Model Analysis using JMT (28 Aug 2021)

Computer Aided Diagnosis of Medical Images using Deep Learning (31 May 2021)

Supervised & Unsupervised Machine Learning Algorithms (11th – 12th Feb 2021)