# Ranit Pradhan

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in ranit-pradhan-55046119a

## OBJECTIVE

Looking for a position in the field of Firmware where I can utilize my skills to further work towards personal and professional development and contribute towards the prosperity of the organization. Highly motivated and eager to learn new things.

## EDUCATION

**2019-2023 Ongoing**
**B.Tech in Electrical and Computer Engineering**, *Amrita Vishwa Vidyapeetham*, Kollam, Kerala, India.
*CGPA: 8.03/10*

**2019**
**Belda Gangadhar Academy**, Paschim Medinipur, W.B., India.
*Percentage: 78.93%*

**2017**
**Jankapur High School(H.S)**, ), Paschim Medinipur, W.B., India.
*Percentage: 86.14%*

## EXPERIENCE

**November 2019 - January 2021**
**Member at IEEE, Kerala Section**, *Fresher, Amrita School of Engineering*.
I was an active IEEE member for 1 year in my college. As a fresher IEEE student, I had attended some conferences, webinars, online competitions and a one week ML internship.

**December 2020 - Present**
**Member at Team bi0s**, *Amrita School of Engineering*.
I have been an active member of the community from 2nd year onwards. I actively take part in all events, contribute to projects, workshops and also help in organizing CTF events hosted by bi0s.

## TECHNICAL PROJECTS

**July 2020**
**An Ultra-Portable Vis-NIR Spectrometer with an Integrated Light Source for Chemometric Applications**.
This is a project for on-site material inspection and quality analysis of food and agricultural product require portable sensing systems. A mini spectrometer device is used for the measurements and analysis work based on machine learning and python programming. I was involved with performing statistical analysis of different compositions in medicines pills. Project Link:
`https://iopscience.iop.org/article/10.1149/1945-7111/abc7e8/pdf`

## COURSE PROJECTS

**July 2020**
**Light Weight, Low Energy OS, Contemporary Technologies Available for Wearable's**.
The project was based on analysing light weight os. Project Link:
`https://github.com/RanitPradhan/docs/blob/main/Group_5_OS_Report.pdf`

## COURSES AND MOOC

**May 2020**
**The Arduino Platform and C Programming**.
Issuing Organization: University of California, Irvine.
Certificate Link: `https://coursera.org/share/a6fdb8db507c58f7ae65a0ba2fb95eee`

**April 2020**
**Working With JSON Data)**.
Issuing Organization: University of California, San Diego.
Certificate Link: `https://raw.githubusercontent.com/RanitPradhan/Certificates/main/For_CV/JSON_data.JPG`

| August 2020 | **Data Visualization with Python**. |
|---|---|
| | Issuing Organization: Real Python . |
| | Certificate Link: https://raw.githubusercontent.com/RanitPradhan/Certificates/main/For_CV/Data_Visualization.JPG |

## VOLUNTEER

| January 2015 | **Model Explanation**. |
|---|---|
| | Contributed in a model explanation of an Automated railway alarming system if there is any fault on the train-line. Platinum Jubilee of Jankapur High School(H.S) [1940-2015] |
| December 2019 | **Model Explanation**. |
| | Contributed in a model explanation of an Automated water level alarming system.Centenary of Belda Gangadhar Academy [1919-2019] |

## INTERNSHIPS AND CONFERENCE ATTENDED

| January 2020 | **Hacktoberfest 2019**. |
|---|---|
| | Attended conference of Digital Ocean,an introduction to Git and GitHub. It is a two days workshop taken by amfoss student club every year. |
| October 2020 | **Machine learning Internship, IEEE**. |
| | An online internship based on Data Science and ML |

Certificate Link:

https://raw.githubusercontent.com/RanitPradhan/Certificates/main/Certificate_Me.jpg

## ACHIEVEMENTS

- Got Paschim Banga Vigyan Mancha award in 2009 and 2017 for getting 5th position in our district and 2nd position in my block respectively..

## Coursework

| Core Courses | Data Structure, Object Oriented Programming, Elements of computing systems, Biology for intelligence system |
|---|---|
| Lab Courses | Data Structure Lab, Object Oriented Programming JAVA Lab, Digital Manufacturing, Introduction to Drones. |

## LANGUAGES

| English | Full Professional Proficiency |
|---|---|
| Hindi | Native Tongue, Full Professional Proficiency |
| Bengali | Mother Tongue, Full Professional Proficiency |
| Odia | Others, Full Professional Proficiency |

## COMPUTER SKILLS

| OS | Windows, Linux |
|---|---|
| Programming Languages | Python,C, C++, Assembly |
| VCS | Git |
| Other Skills | Arduino, AutoCAD, Problem Solving, Playing CTFs, Pneumatics |

## INTERESTS

| Technical | Reverse Engineering, Firmware, Embedded Systems, Robotics, Hardware, Artificial Intelligence, Machine Learning, Contributing to Open Source |
|---|---|
| Hobbies | Travelling,Cricket |

## PERSONAL DETAILS

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|---|---|
| DOB | 3rd August, 2000 |
| Current Residence | Kollam,Kerala, India |
| Status | Student |