



# Arvin Pradhan

COMPUTER SCIENCE & ENGINEERING

## Contact



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## Skills

### Programming languages:

- C, C++, Python
- MySQL
- HTML, CSS.

### Technologies known:

- Unix & Linux
- Data Science
- Machine Learning
- Cyber Security
- Digital Circuits and Microprocessors
- Microprocessors and Applications
- Digital circuits and logic design

## About

I am in my final year of Computer Science Engineering. Fluent in Data Structures and Algorithms. I am able to code in python, C, C++ and MySQL. seeking to work in an innovative organization for the mutual benefit for me and the organization.

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## Education History

Bachelor of Technology April 2017 -July 2022

### Dayananda Sagar University

- Graduate in Computer science and engineering.
- Gained extensive knowledge in relevant fields
  - Digital Circuits and logic design
  - Microprocessors and Applications

Higher Secondary Education Dec 2014 -Dec 2016

### Sainik School Punglwa

- Academic Excellence in Physics, Chemistry, Math and Biology.
- House Captain 2016, House prefect.
- Captain, School Hockey team.

## Projects done

Database management systems

### Contact management system

- Created contact management system using Python and MySQL for RDBMS
- .....

Electronics and communication

### Heartbeat sensor using Arduino

- Designed a Heart Rate Monitor System using Arduino and Heartbeat Sensor
- .....

Bus reservation system

### Object oriented Programing

- Used Object oriented programming with C to create a bus seat reservation system.

# Projects done

## Blockchain project

### **To-do list using solidity Programming language**

- Used JavaScript and solidity programming to create a to do list for people to use in a blockchain.
  - Used MetaMask as the intermediary for running the applications.
  - Used Ganache as the private server as the private blockchain.
  - The entire project was supported by web3 and its relevant modules.
- .....

## Machine learning project

### **Clothing classification using fashion MNIST**

- Using random forest algorithm classified data set to allow the algorithm classify images of clothes.
  - Used data set of 60,000 images from Kaggle.
  - Used PCA for reducing the dimensionality.
  - Used both CNN and Random forests for identifying the images,
- .....

## Mobile Computation and App development

### **Attendance Application**

- Created an application for android using Android studio.
  - Attendance app allowed users to store attendance of wards/employees and store in a local database.
  - Database used is SQLite.
- .....

## Database Management Systems

### **contact Management System**

- Created a Contact management system using python and MySQL
  - Allowed users to save, update and delete users.
  - Used PyQt5 as the module for GUI.
- .....