

# Samriddhi Ambashta

B-TECH · ELECTRONICS AND COMMUNICATION ENGINEERING

National Institute of Technology Patna, Bihar

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## Education

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### National Institute of Technology Patna

B-TECH ELECTRONICS AND COMMUNICATION ENGINEERING

- CGPA: 8.65

Patna, Bihar

2019 - present

### Baldwin academy

HIGHER SECONDARY SCHOOL

- Percentage: 94.4

Patna, Bihar

2017 - 2019

### Carmel High School

SENIOR SECONDARY SCHOOL

- Percentage: 96.2

Patna, Bihar

till 2016

## SKILLS

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### SOFTWARE SKILLS

Python, C, C++, Java, MatLab, MySQL, Data Structures

IoT, Machine Learning, OpenCV, HTML/CSS, JavaScript

Flutter, Android Studio, Git/GitHub, MS Office, Competitive coding

### HARDWARE SKILLS

Arduino Uno, Node MCU(Esp8266)

## Projects

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### SOFTWARE BASED PROJECTS

**BMI Calculator:** An android application which calculates the BMI of a person.

**Clima:** An android application that tells us the temperature and weather conditions of any city in the world as well as tells the temperature of your own location.

**Destini:** An small game which tells different stories according to the different options the user chooses. **Flash Chat:** A group chat application using flutter and firebase.

**Invisibility cloak:** A fun project using openCV.

**Bitcoin Ticker:** A crypto currency price checking android application.

**Alarm clock:** An alarm clock using tkinter library of python.

**Profit predicting model:** A linear regression model that predicts profit based on RD spending, administration cost and marketing cost.

**Sentiment analysis:** A text mining model.

**Habita Android:** Worked with a team on an android application to enhance the level of sustainability in individual households for the benefit of environment.

### HARDWARE BASED PROJECTS

**Medicine Automation System** : A RESEARCH HARDWARE AND SOFTWARE PROJECT FOR HACKSAGON 2020

- The Project aims to reduce Medical Non-adherence.
- Has both Web and Android app interface

**Home Automation System** :A HARDWARE AND SOFTWARE PROJECT FOR SENSOR TENSOR 2020

- Uses Blynk interface with email and notification alert

**Gardening System** : A HARDWARE PROJECT

- Turns on the motor for supplying water as soon as soil moisture sensor detects less moisture content in the soil.

## LEADERSHIP POSITIONS of RESPONSIBILITY \_\_\_\_\_

2020-Present: **CO-ORDINATOR OF ANDROID TEAM**, HACKSLASH, PATNA

2019-Present: **STUDENT MEMBER**, IEEE

2019-Present: **HARDWARE TEAM MEMBER**, DSC, PATNA

## AWARDS AND ACHIEVEMENTS \_\_\_\_\_

Hacksagon 2020- Secured 8th position in a national level hackathon among 400+ participating teams.

Sensor Tensor(Hardware Hackathon)- 3rd Position.

Topper of my school in 12th boards.

3rd topper of my school in 10th boards.

Won 2 gold medals in silverzone science olympiad and 1 silver medal in silverzone maths olympiads.

Became a finalist in Pratibimb(Competition for the title of Miss NITP 2019).

Won a quiz conducted by vodafone.