

# Aritra Basu

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## EDUCATION

### MANIPAL INSTITUTE OF TECHNOLOGY

BTECH IN COMPUTER SCIENCE

Expected May 2020

Cum. GPA: 8.91 / 10.0

### VIDHYADHAM JUNIOR COLLEGE

Grad. May 2016 | Hyderabad, India

Cum. Percentage: 91.5%

### B.V.B PUBLIC SCHOOL

Grad. May 2014 | Hyderabad, India

Cum. GPA: 10

## LINKS

LinkedIn:// [aritra-basu](#)

Github:// [aritra24](#)

Hackerrank:// [lukegroundwalker](#)

Codechef:// [aritrabasu](#)

## COURSEWORK

### UNDERGRADUATE

Problem Solving Using Computers + Lab

Object Oriented Programming

Data Structures + Lab

Introduction To Algorithms

Database Systems

Microprocessors

Computer Architecture

### MOOCS

[Python for Everybody Specialization](#)

[Introduction to Cyber Attacks](#)

[Cyber Attack Countermeasures](#)

[Real-Time Cyber Threat Detection](#)

[and Mitigation](#)

[Enterprise and Infrastructure Security](#)

[R Programming](#)

## SKILLS

### PROGRAMMING

Languages:

Proficient:

C++ • Python • SQL

Elementary:

Java • Dart • R

JavaScript

Frameworks:

Flask • Flutter

## EXPERIENCE

### HARMAN INTERNATIONAL PVT. LTD | SOFTWARE DEVELOPMENT INTERN

May 2018 – July 2018 | Bangalore, India

- Worked on understanding power management of linux operating system.
- Explored the GenPd framework for runtime pm in linux.
- Also compiled a report on the history of power management in linux and current developments in the linux power management system.

### IECSE MANIPAL | HEAD OF DEVELOPMENT AND SPONSORSHIP

April 2018 – Present | Manipal, India

- Work on developing and managing IECSE's internal tools.
- Conduct workshops on various development topics like web APIs, web scraping, version control, Bot development etc.
- Mentor the working and management committees via projects, summer and winter projects and workshops.
- Approach tech companies to collaborate on various events, conferences and hackathons.

## PROJECTS

### TECHTATVA'17 INFODESK PORTAL

August 2017

Worked in a team of 5 to create a portal to register people for TechTatva the tech fest of Manipal Institute of Technology. Source code available here

- Responsibilities: Write PHP code to interact with database to register participants.
- Skills learned: Using PHP as the server side language, using MySQL to add participants.

### MINE SWEEPER

November 2017

Created a replica of the mine sweeper game in Java, using the swings package. Source code available here.

- Skills learned: Using Jframes from the swings package, inheritance of classes and use of interfaces in Java.

### PROMETHEUS'18 BOT

March 2018

The Prometheus bot is a telegram bot developed to ease registration process for IECSE's tech weekend Prometheus. Worked in a team of 2.

- Responsibilities: Develop a telegram bot using flask that helps register, create teams and send reminders for various events.
- Skills learned: Using Flask, using the Dialogflow platform to perform natural language processing, using the Telegram bot API to interact with users, using MySQL to store and authenticate users and teams.

## SOCITIES

IECSE Manipal - Official Computer Sciences club of Manipal.

MIST - Manipal Information Security Team.

LDQ - Literary, Debating and Quizzing club of manipal.

System Admin at TechTatva'17- The team responsible for the online activities during the fest.