

# AYUSH NAWAL

Programmer | Software Developer

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## EXPERIENCE

### Amazon | Software Development Intern

📅 April 2020 – June 2020

📍 Bangalore, India

- Automated the processing of millions of manifest and invoices messages amazon receives per day which comes on transportation-finance systems.
- Used multi-threading with amazon-sqs and DyanmoDB for processing and storing, boto was used to interact with AWS services.

### Sugar Labs | Open Source Contributor

📅 December 2019 – March 2020

📍 Remote

- Contributed to an open-source organization Sugarlabs which work for OLPC(one laptop per child), a non-profit educational company with more than 40 merged pull request.

### InternKart | Web Development Intern

📅 September 2018 - October 2018

📍 Remote

- Integrated data from back-end services and databases. cooperated with web designers to match visual design intent.
- Fixed various UI glitches encountered while redesigning the website.

## PROJECTS

### Channel-Net | ECE Department

📅 Jan 2020 - April 2020

- Implemented a deep learning (DL) algorithm for channel estimation in communication systems using deep image processing techniques, image super-resolution (SR) and image restoration (IR).

### Official Alumni Portal | Student Alumni Relations

📅 October 2018 - April 2019

- Scope of the project included the redevelopment of the entire front-end of official alumni website of IIT Roorkee.

### Auto Segregating Bin | Artificial Intelligence Section

📅 February 2019 - March 2019

- Development of garbage segregating smart dustbin which separates bio-degradable and non-biodegradable waste.
- Technology used: PyTorch(software), Raspberry Pi and Servo Motor(hardware)

## EDUCATION

### B.Tech in Electronics and Communication Engineering

Indian Institute of Technology, Roorkee

📅 July 2017 – June 2021

## SKILLS

Computer Languages : Javascript

Python

C++

Matlab

Frameworks & Databases: ReactJS

Flask

Django

SQL

DynamoDB

Technologies: Git

AWS

Linux

Pytorch

## COURSEWORK

Data Structures and Algorithms

Object Oriented Programming

Computer Architecture

Probability and Statistics

## ACHIEVEMENTS

- Secured AIR 1008 among 2.2 lakh students in JEE Advanced 2017
- Secured AIR 440 among 1.4 million students in JEE Main 2017

## LEADERSHIP

### Front End Lead

Institute Alumni Relations Cell

📅 January 2019- April 2019

- I lead the team of front-end developers working under the Dean of Resources and Alumni Affairs, to develop and maintain the products of alumni.iitr.ac.in.

### Hostel Secretary

IIT Roorkee

📅 September 2019- Present

- Coordinated in work with senators and other various sections of the campus community. Hostel maintenance and issues concerning the hostel facilities come under my purview.