

# Ujjal Das

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## EDUCATION

### IIT BHUBANESWAR

B.TECH IN ELECTRICAL ENGINEER

July, 2020 | Bhubaneswar, India

CGPA: 7.41 / 10

### COTTON COLLEGE

CLASS XII (ASHEC)

April, 2015 | Guwahati, India

Percentage: 86.20 / 100

### DAMDAMA H.S. SCHOOL

CLASS X (SEBA)

April, 2013 | Kulhati, India

Percentage: 82.16 / 100

## LINKS

Github:// [ujjaldas132](#)

LinkedIn:// [ujjaldas132](#)

## TECHNICAL SKILLS

Java • Python • Javascript  
Matlab • Bash  
HTML • CSS • JQuery  
MySQL • Redis • Hbase  
Hadoop • Map-Reduce • Spark  
nodejs • flask  
Git • Gradle • Maven

## PERSONAL PROJECTS

- Smart EV Charging Station - [Source Code](#)
- IITBBS Result Checker - [Source Code](#)
- Vaccine Tracker - [Source Code](#)
- Vehicle Tracking System - [Source Code](#)
- Portfolio Website - [Visit Website](#)  
[Source Code:Landing Page](#)  
[Source Code:Portfolio](#)
- Twisted Tic Tac Toe - [Play Here](#)  
[Source Code](#)
- Financial Calculator Objective is to calculate the FIRE age. Used Flask, Js, Html and css.
- Autonomous Vehicle - Design a logic to detect different object that come in front of the bot(vehicle) and accordingly generate input for its different components(sensors, Controller) using OPENCV.
- Facebook user information - [Source Code](#)

## EXPERIENCE

### GOLDMAN SACHS | SOFTWARE ENGINEER

July 2020 - Present | Bengaluru, India

- **Global Compliance Division** - Developed analytical models for surveillances using hadoop tech stack to monitor trading activities and to detect suspicious market activities like insider-trading, wallcrossing etc.
- **Global Market Division** - Developing a cloud based platform to support all firm's trading activities using the technology stack like protobuf, GRPC etc.
- **Developer Training group** - Responsible for arranging sessions on different technical topics and team building activities like hackathon for developers.

### BYER | CHIEF TECHNOLOGY OFFICER

September, 2019 - June 2020 | Bhubaneswar, India

- **Lead the technology team of 3 members.**
- **Full-stack developer** - Developed an e-commerce website and its multiple components using technology stack like nodejs, HTML, css, bootstrap, Mysql, redis, AWS.

### PNB METLIFE | MACHINE LEARNING INTERN

May 2019 - July 2019 | Mumbai, India

- **Project mi8** - Developed a DEEP LEARNING model that can extract all the required data and classify the images of KYC documents, to verify/reconcile various database entries, also to mask the specific area of the document based on the regulatory requirement.

### VASITAR PVT LTD | AUTOMATION ENGINEERING INTERN

May 2017 - August 2017 | Bhubaneswar, India

- **Artificial odour generator** - Designed and automated a mechanism for producing multisensory (4d olfactory effect) experience with optimal rate and correct proportion of odor diffusion to mitigate the real-life scenario using raspberry-pi, python and ultra-sonic diffusers in a closed space.

### COGNITIO EDUCATION | PUBLIC RELATIONSHIP INTERN

December 2016 - January 2017 | Guwahati, India

- Arranged public appearance, lecture, contest for school students to increase awareness of the competitive examination and how to prepare for it.

## RESEARCH

### IIT GUWAHATI | RESEARCH FELLOWSHIP PROGRAMME

May 2018 - July 2018 | Guwahati, India

**Audio signal processing via non negative matrix factorization** - developed and evaluated an algorithm for separating multi-speaker audio from single speaker audio using non-negative matrix multiplication and machine learning. The whole project is coded in matlab under the guidance of **Dr. Prithwijit Guha**

## AWARDS

2016	top 0.05%	JEE Mains and JEE Advanced
2016-20		Chief Minister scheme of Financial Assistance, Assam, India
2013		Awarded a certificate of excellence and HP laptop, Govt Assam