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 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(senors, Controller) using OPENCV.
- Facebook user information - **Source Code**

EXPERIENCE

GOLDMAN SACHS | Software Engineer
July 2020 - Present | Bengaluru, India
- **Global Compliance Division** - Build analytical models for surveillances using hadoop stack to monitor the trading activity and to detect suspicious market activities.
- **Global Market Division** - Building trading plateform for OTC products using GRPC, google cloud.
- **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 a e-commerce website and its multiple components using technology stack like nodejs, HTML, css, bootstrap, Mysql, radis,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 automate 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 or exhibitions 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 evaluate 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

Year	Rank	Award
2017	1st/25	Egglorious Battle Innovation, IIT Bhubaneswar
2016	1st/50	Kick-off bot, IIT Bhubaneswar
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