

Ujjal Das

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EDUCATION

IIT BHUBANESWAR

B.TECH IN ELECTRICAL ENGINEERING

July, 2020 | Bhubaneswar, India

CGPA: 7.41 / 10

COTTON COLLEGE

CLASS XII (AHSEC)

April, 2015 | Guwahati, India

Percentage: 86.20 / 100

DAMDAMA H.S. SCHOOL

CLASS X (SEBA)

April, 2013 | Kulhati, India

Percentage: 82.16 / 100

TECHNICAL SKILLS

Java • Python • Javascript • Bash
HTML • CSS • Jquery
SQL • Redis • Hbase
Hadoop • Map-Reduce • Spark
nodejs • flask • Grpc • Git

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** To calculate the FIRE age, using Flask, Js.
- **Autonomous Vehicle** - To detect any object approaching bot(vehicle) and to generate commands to control it.
- **Facebook user information** - [Source Code](#)

AWARDS

- **Top 0.05%** in JEE MAINS and JEE ADVANCED, 2016
- **Chief Minister scheme of Financial Assistance**, Assam,India, 2016-20
- **Awarded with certificate of excellence and HP laptop**, Govt Assam, 2013

EXPERIENCE

GOLDMAN SACHS | ASSOCIATE (SENIOR SOFTWARE ENGINEER)

December 2022 - Present | Bengaluru, India

- Developing a new cloud based platform from scratch to support firm's all trading activities. My role is to develop new backend services, also integrate them with the lagacy trading services for all financial calculations like risk, pricing etc.

GOLDMAN SACHS | ANALYST (SOFTWARE ENGINEER)

July 2020 - November, 2022 | Bengaluru, India

- Developed analytical models for surveillances using Hadoop tech stack to monitor trading activities and to detect suspicious market activities like insider-trading, wallcrossing etc. My contributions helped the firm to detect market unusual activities during covid when market volume was too high.
- Automated few lagacy processes which saved 1500+ man-hours annually, helped my team to be identified as one of the most innovative team in GS.

PNB METLIFE | MACHINE LEARNING INTERN

May 2019 - July 2019 | Mumbai, India

- **Project mi8** - Developed a DEEP LEARNING model to extract required data from KYC documents to classify and reconcile against database entries, and to mask the specific area of the documents 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 to create multisensory experience (4d olfactory effect) with optimal proportion and rate of odour diffusion in a closed space using raspberry-pi, python and ultra-sonic diffusers.

COGNITIO EDUCATION | PUBLIC RELATIONSHIP INTERN

December 2016 - January 2017 | Guwahati, India

- Organized lectures, contests for school students to increase awareness about competitive examinations.

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 to separate multi-speaker audio from single speaker audio using non-negative matrix multiplication and machine learning.

POSITIONS OF RESPONSIBILITY

DEVELOPER TRAINING GROUP | GOLDMAN SACHS

- Responsible for organizing sessions on different technical topics and team building activities like hackathon for developers

ASSOCIATE | ESUMMIT, IIT BHUBANESWAR

- Mobilized budget, collaborated with external agencies for maximizing outreach. Helped in increasing the student registrations by 45%

CORE MEMBER | NEUROMANCERS CODING SOCIETY IIT BHUBANESWAR

- Responsible for mentoring freshmen, organizing technical workshop for the whole university