

# Ujjal Das

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## Professional Summary

**Full-Stack and Backend Engineer** with 4.5+ years of experience in designing **scalable, high-performance** systems, **automation**, and **cloud** infrastructure. Proven expertise in building **distributed** applications using Go, Java, Python, React, AWS, and Kafka. Strong background in optimizing operational efficiency, cost reduction, and mentoring teams in high-impact projects.

## Skills

- **Programming Languages:** Go, Java, Python, NextJs, Javascript
- **Frontend Technologies:** React, HTML, CSS, jQuery
- **Backend Technologies:** Nodejs, flask, Grpc, Spring Boot, Microservices, API Development
- **Databases:** SQL, Redis, MongoDB, Hbase
- **Messaging & Streaming:** Apache Kafka, Kinesis
- **BigData Cloud:** Hadoop, Map-Reduce, Spark, AWS, Docker, Lambda
- **DevOps Tools:** Bash, Git, CI/CD, Terraform, Distributed Systems

## Work Experience

### L4 Software Engineer

🏢 DELIVEROO 📦 FULLSTACK DEVELOPER

*Bengaluru, India*

*August, 2023 - Present*

- **Automated** claims processing by developing an **ML-driven worker-based** system for missing item compensation and wrong order claims, integrating **messaging queues** to support analytics and improve user experience, Wrote **Technical Design Documents (TDD)**, implemented **backend/frontend** changes, and **mentored** two interns
- Built a location tracker dashboard for Operations (OPS) to enhance multi-stack order delivery, enabling riders to efficiently collect orders from multiple restaurants, improving network efficiency and reducing rider expenses by 5%
- **Led** the integration of a new cloud contact provider for the Middle East, overseeing **technical implementation, product research**, and provider **communication**. This initiative saved Deliveroo £1.2M annually and improved system scalability
- Engineered the integration of Amazon Connect CTR data with a third-party **Quality Management System (QMS)** using AWS Lambda, Kinesis, Kafka, and DynamoDB, improving system **reliability, auditability**, and data **accessibility** for analytics and IAM teams
- Developed and **currently own** the Marketplace tool for OPS, consolidating five legacy tools into a unified claims processing system, Built the frontend in **React** and backend in **Go**, leveraging Kafka, DynamoDB, PostgreSQL, AWS Lambda, and Amazon Connect, Responsible for **end-to-end release planning, milestone scheduling**, and **go-to-market strategies**, reducing infrastructure costs by £200K/month and improving agent efficiency.
- **Mentored and trained** 26 new hires as a Bootcamp coach, improving onboarding, training, and knowledge transfer with positive feedback from trainees.

### Senior Software Engineer

🏢 GOLDMAN SACHS 📦 BACKEND DEVELOPER

*Bengaluru, India*

*December 2022 - August, 2023*

- Developing a **new cloud based platform from scratch** to support firm's all trading activities, My role is to develop new **backend services**, seamlessly integrating them with existing legacy trading systems to facilitate crucial **financial calculations** such as **risk assessment** and **pricing**.
- In addition to writing code for the team, I have taken on various responsibilities such as **mentoring** new team members, conducting thorough **reviews** of pull requests and **technical specifications**, and actively participating in **discussions** regarding technology and product enhancements.

### Software Engineer

🏢 GOLDMAN SACHS 📦 BIGDATA DEVELOPER

*Bengaluru, India*

*May 2020 - November, 2022*

- Utilized the **Hadoop tech stack** to develop advanced **analytical models** for **surveillance** purposes, enabling the monitoring of trading activities and detection of suspicious market behaviors such as insider-trading and wall crossing.
- Played a pivotal role in assisting the firm in identifying and detecting unusual market activities during the **high-volume** period of the COVID-19 pandemic, contributing to the overall risk management efforts.
- Automated numerous legacy processes, resulting in significant **annual savings** of over 1500 man-hours, This achievement earned recognition for my team as one of the most **innovative teams** at GS.

## Co-Founder

BYER PVT LTD FULLSTACK DEVELOPER

Bhubaneswar, India

October 2019 - March, 2020

- Successfully developed a **full-stack e-commerce website** from scratch, utilizing Node.js, JSX, CSS, jQuery, Bootstrap, Redis, MySQL etc.
- Developed an **Android application** with equivalent functionalities to the website, ensuring seamless user experience across platforms.
- Demonstrated **leadership skills** by recruiting, training, and supervising interns to contribute effectively to the growth of the startup.

## Machine Learning Intern

PNB METLIFE

Mumbai, India

May 2019 – July 2019

- Designed and implemented an **image processing** pipeline to incorporate robust masking techniques, effectively safeguarding sensitive areas of **KYC documents** in strict adherence to regulatory requirements.
- Developed a **deep learning model** to extract essential data from KYC documents, enabling accurate classification and reconciliation against the database entries.

## Automation Engineering Intern

VASITAR PVT LTD

Bhubaneswar, India

May 2017 – August 2017

- **Artificial odour generator** - Wrote a python script for automating a mechanism for producing multisensory (4D olfactory effect) experience with optimal rate and correct proportion of odour diffusion to mitigate the real-life scenario using raspberry-pi, python and ultra-sonic diffusers in a closed space (for example movie theatres). Tested the system in a 10X10 ft room with a capacity of two people. Demo [here](#)

## Public Relationship Intern

COGNITIO EDUCATION

Guwahati, India

December 2016 – January 2017

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

## Education

### Indian Institute of Technology, Bhubaneswar

B.TECH IN ELECTRICAL ENGINEERING

June. 2016 - May. 2020

CGPA : 7.41/10

## Research

### IIT Guwahati

RESEARCH FELLOWSHIP PROGRAMME

Guwahati, India

May 2018 – July 2018

- **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.

## Honors & Awards

2023 **Winner**, AI-OPS Hackathon

2019 **Winner**, Smart India Hackathon, 2019

2016 **Top 0.05%**, JEE MAINS and JEE ADVANCED, 2016

Goldman Sachs

India

India

## Positions of Responsibility

### Goldman Sachs

MEMBER OF DEVELOPER TRAINING GROUP

Bengaluru, India

Jan. 2021 - Present

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

### Neuromancers Coding society IIT Bhubaneswar

CORE MEMBER

Bhubaneswar, India

December 2016 – May 2020

- Responsible for mentoring freshmen, organizing technical workshop for the whole university.
- Represent the society in different hackathon and coding competitions.