

# Subhadip Nandy

Mobile: +91-8145524273

Email: subhadipnandyofficial@gmail.com

## EDUCATION

- Jadavpur University** Kolkata, India
  - Bachelor of Engineering - Electronics and Instrumentation Engineering; GPA: 8.6* *July 2019 - June 2023*
  - Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases, Digital and Analog Electronics, Process control*

## SKILLS SUMMARY

- Languages:** C++, JAVA, Python
- Frameworks:** Springboot, ReactJS, .NET
- Tools:** Kong, Kubernetes, Docker, Git, AWS, Redis, Kafka
- Platforms:** Linux, Web, Windows, OSX
- Databases:** MySQL, PostgreSQL, Elasticsearch
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- PayU Payments Pvt. Ltd.** Bengaluru, India
  - Associate Software Engineer (Full-time)* *August 2023 - Present*
    - Infrastructure upgrades:** Refactored and upgraded API Gateway through containerization and customised configuration for plugins and tools. Tech Stack- Kong, Docker, Kubernetes, Lua Script
    - REST API for microservice:** Designed and developed a microservice which used MySQL DB and server-side Redis caching for low latency response. Tech Stack - JAVA, Springboot, MySQL, Redis, Apache Kafka
    - REST API for Configuration manipulation:** Implemented a fail proof configuration manipulation system for on-demand service level configuration changes. Tech Stack - JAVA, Springboot, Redis Distributed locking, AWS
    - Elasticsearch Data Aggregation:** Implemented Elasticsearch data aggregations with multiple customisation used by the fronted using exposed APIs. Tech Stack - Elasticsearch, Kafka
- PayU Payments Pvt Ltd.** Remote
  - Software Engineer(Internship)* *January 2023 - June 2023*
    - Project Course - Generating a customised Springboot starter:** Created a boilerplate project generator which shall generate a ready to use project for developers
    - Tech Stack - JAVA, maven archetype, shell script, Gitlab CI, Maven/Gradle packaging registry:** Generated a spring framework based JAVA project with customised configuration in a ready to use state for developers using shell scripting and maven-archetype template
- PricewaterhouseCoopers Pvt Ltd.** Kolkata, India
  - Technology Consultant (Internship)* *June 2022 - August 2022*
    - Project Course - Create a MVC service for stock management:** Created a microservice using .NET framework using MySQL serving to a ReactJs based frontend
    - Tech Stack - .NET, MySQL, ReactJs, C#:** Used JWT token for authentication and authorization for multiple roles on the website using .NET framework. The data was served in paginated format through a ReactJs website

## PROJECTS

- Vison - Deep Learning based Mask Detection Algorithm:** The system used object detection techniques to detect and track the masked and unmasked faces through the video feed pulled from the traffic surveillance cameras. 10000 custom image designed and labelled by extracting traffic CCTV footage of Kolkata region and also by web scraping. The entire dataset was then annotated using YOLO labelling and further a PASCAL VOC labelling was generated. Tech: Python, YOLOv3, Pascal VOC, OpenCV, & Tensorflow. (April '20)

## PUBLICATIONS

- Book: MOXA: A Deep Learning Based Unmanned Approach For Real-Time Monitoring of People Wearing Medical Masks (Software Development, Deep Learning):** Book published by Springer Publishing on July 2020. Tech: Python, OpenCV, Tensorflow (November '18)

## VOLUNTEER EXPERIENCE

- IEEE Jadavpur University Student Branch** Kolkata, India
  - Chairperson* *Jan 2022 - Jan 2023*
    - Responsibilities:** Conducted multiple events including podcasts, and technical talk sessions and State to National level technical meetups.
- All India IEEE Computer Society Students and Young Professionals Congress** Kolkata, India
  - Lead Organizer* *Dec 2022 - Jan 2023*
    - Responsibilities:** Organized events, conducted workshops and delivered workshops reaching over 1000 developers.