

# Sourav Kumar Malla

📍 London, England, United Kingdom ✉ souravmalla1998@gmail.com ☎ +44-7586097047 🌐 <https://www.linkedin.com/in/sourav-malla-274524139>  
🔗 <https://my-profile-indol.vercel.app>

## SUMMARY

3+ years experienced and Proficient Agile Software Engineer in designing and implementing robust and scalable software solutions that meet complex business needs. A quick learner who loves fast-paced, innovative technologies.

## EXPERIENCE

### Lead Software Engineer – Finance I&D

Capgemini UK PLC

October 2022 – Present, London

- Working on AWS functionalities to integrate with different REST APIs to outline the complete Onboarding Journey on AWS Platform.
- Tech-Stack: - Java, AWS Lambda, EC2, Kinesis, Multi-Threading Asynchronous, Step Functions, Jira, System Design, MicroServices, Distributed Systems.

### Software Engineer (Backend) – Research and Engineering

Tookitaki Technology Pvt Ltd

November 2021 – October 2022, Bangalore

- Developed Benchmarking tool for optimising different ML pipelines. Docker Integration and Data migration on Hadoop for ML Pipelines.
- Built REST APIs & User Authentication(AAA) for CRS project. DB Re-Architecture to reduce API response time by 72% using indexing.
- Tech-Stack: Scala, Hadoop, Spark, Micro-Services, Machine Learning, Docker, Hive, HBase(NoSql), Big Data, Jira, Miro-Board, Linux, GIT, Message Queue.

### Technology Graduate Analyst – OnBoarding & KYC Team

Barclays Technology Pvt Ltd

August 2020 – October 2021, Pune

- Built RESTful APIs & automation tool to reduce human effort by 83% and error by 60%. Awarded for great Diligence in different projects.
- AWS Data Transformation to desired ETL format in AWS Glue & Spark. SOAP to REST APIs migration and Junit test coverage to 90%.
- Tech-Stack: Java, Python, Jenkins, OpenShift, GIT, MicroServices, AWS Glue, Spark DataFrame & DynamicFrame, Selenium, Containerised Deployment

### Software Development Intern – SLDV Team

Mathworks India Pvt Ltd

May 2019 – July 2019, Bangalore

- Built Test case Analysis tool to extract block details from Simulink models for time-series values with patterns and optimum values.
- Created a heuristic model from patterns with data and represented via graphs.
- Tech-Stack: Matlab, Simulink, Sldvrn APIs, Sldiagnostics, Discrete-Integrator, Confluence, Sldvrntest, Matlab Handles.

### Summer Internship – Technology Team

Nurtr India Pvt Ltd

May 2018 – July 2018, Gurugram

- Multiple mail trigger tool & developed a WEB Crawler to scrap different website and collect data in an Excel file.
- Setting up encoding of the video ABRs and developed a GUI using python Tkinter to fetch MYSQL query results from DB.
- Tech-Stack: Python, Queue, Threading, SMTP, Regex, Scrapy, Tkinter, MySQL, MS-Excel.

## EDUCATION

### Bachelor Of Technology in Industrial and Systems Engineering

Indian Institute of Technology • Kharagpur, India • 2020

## PROJECTS

### Unsupervised framework for Audio document clustering

with Professor Sourav Mukhopadhyay, Indian Institute of Technology, Kharagpur, India • August 2019 – March 2020

- Unsupervised framework with CNN for keyword matching between document pairs. Break speech corpus into groups at a broader semantic level.
- Used canny edge detection method & Line dilation method used to segregate the utterances which increased the accuracy by 17 percent.

## CERTIFICATIONS

### MicroServices REST APIs, Spring Framework, Problem Solving and CP

Pluralsight, HackerRank, Coding Ninjas • 2020

Microservices & how we can leverage these in building high quality Softwares. Learning DSA & Algorithms in Software Development

### Indian Standard Examinations in Astronomy(NSEA) and Physics(NSEP), RMO & NSO

Homi Bhabha Center for Science Education, Indian Association of physics Teachers (IAPT), NSO Foundation • 2014

First round of Merit list conducted by Homi Bhabha Center for Science Education and IAPT. In top 30 State Merit-list RMO & top 10 in NSO.

## COURSEWORK

### DAA, CN & DBMS, DSA, OS, ML, CPS & IoT, HPPC, OR, IS, Recommender System, DS, GA, NLP & AI, P & S, Linear Algebra

Department of Computer Science & Maths Computing & Industrial Systems, IIT Kharagpur, India • 2019

## SKILLS

Software Skills: SpringBoot, Jenkins, RestFul API, AWS, Git, Scalatra, Maven, Docker, OpenShift, Jira, NLP, scikit-learn, OpenCV, CNN, HBase.

Languages: C, C++, Python, Java, Scala, Matlab, JavaScript, HTML, CSS, R, Mysql, NoSql, Linux(Shell Script), Hive(HQL)