

# Chandrika Mukherjee



## EDUCATION

### PURDUE UNIVERSITY

West Lafayette, IN, USA  
Exp Graduation - Dec 2023  
MS CS (2<sup>nd</sup> YEAR)

### NIT DURGAPUR

June 2019 | Durgapur, WB, India  
B.TECH IN COMPUTER SCIENCE  
AND ENGINEERING  
CGPA: 9.16 /10.0

### SERAMPORE GIRLS' HIGH SCHOOL

May 2015 | 12th | 94.4%  
May 2013 | 10th | 88.71%

## SKILLS

### PROGRAMMING

Over 8000 lines:

C++ • Python • PHP

• Java • C

Over 5000 lines:

React • HTML • CSS

• Javascript • SQL

Familiar:

• PL/SQL • Shell • Angular • Android

### TOOLS

Git/Github • Mercurial • Jenkins • G3

## COURSEWORK

### GRADUATE

- Data Communication and Computer Networks
- Database Systems
- Security Analytics
- Algorithm Design, Analysis, and Implementation
- Multimedia Networking and Operating Systems
- Programming Languages
- Information Security

### UNDERGRADUATE

- DS & Algo • OOP • OS • DBMS
- Computer Networks • Software Engineering • ML & Big Data • Digital Image Processing • Discrete Structures • Theory of Computation
- Compiler Design • Computer Organization & Architecture

## EXPERIENCE

### META | SOFTWARE ENGINEER INTERN (16TH MAY 2022 - 5TH AUG 2022)

| New York, USA

- Worked in Messaging Health Signals Intelligence team under Messenger org.
- Built a UI that serves as a platform to convey team owners regarding use of any sensitive information by their builtin features of messenger.
- Built another UI to display Lineage Graph system that will detect data flow within different privacy assets across Meta. Uploaded data flow connection starting from tables to features of messenger in lineage system.
- Tech stack - React, GraphQL HACK API, Python

### HSBC | SOFTWARE ENGINEER (8TH JUL 2019 - 11TH AUG 2021)

| Pune, Maharashtra, India

- Worked as a Full-Stack Java Developer in Global Credit Module(GCM) Team, Wealth and Personal Banking(WPB) Department. The work involved development work in Java Application, Batch Process and Database.
- Participated in Code Management Activities during production releases.
- Supported the production batch for four regions (HK, SG, US, and CA).

## RESEARCH

### MOBILE COMPUTING AND NETWORK RESEARCH GROUP

| RESEARCH ENGINEER (APR 2018 – DEC 2018)

| RESEARCH INTERN (DEC 2017 - JAN 2018)

| NIT Durgapur, WB, India

- Developed "Surakshit Dashboard" using Java, Python and JavaScript under the guidance of Professor **Subrata Nandi** and Professor **Indrajit Bhattacharya** for ITRA project DISARM to visualise summarization of crowdsourced GIS objects and corresponding statistics offline.

### CNERG | RESEARCH INTERN (MAY 2018 – JUNE 2018 )

| IIT Kharagpur, WB, India

- Worked under the supervision of Professor **Sandip Chakraborty** on a project titled "Peer-to-Peer Live Video Streaming based on Scalable Video Coding". Developed a system which could encode .mp4 files to .svc , transfer those files using BitTorrent like communication between server and client and decode back to .mp4 files - used Java.

## PUBLICATION

[1]. Partha Sarathi Paul, Chandrika Mukherjee, Bishakh Chandra Ghosh, Sudipta Pandit, Sujoy Saha, Subrata Nandi "On Designing a Fast-Deployable 'Localized' GIS Platform for using 'Offline' during Post-Disaster Situation", 20th International Conference on Distributed Computing and Networking (ICDCN).

## ACHIEVEMENTS

- 2019 9th in B.Tech CSE 2019 Batch , NIT dgp
- 2015 20th in West Bengal (Home State) in Higher Secondary Examination