

# Chandrika Mukherjee

[in](#) | [@](#) | Portfolio - <https://chandms.github.io/>  
cmukherj@purdue.edu | +1 765-746-9637

## EDUCATION

### PURDUE UNIVERSITY

West Lafayette, IN, USA  
Exp Graduation - 2027

#### PHD CS

CGPA: 3.83/4.00

### PURDUE UNIVERSITY

West Lafayette, IN, USA  
Degree Completion - Dec 2023

#### MS CS

CGPA: 3.81/4.00

### NIT DURGAPUR

June 2019 | Durgapur, WB, India

#### B.TECH IN COMPUTER SCIENCE AND ENGINEERING

CGPA: 9.16 /10.0

## SKILLS

### PROGRAMMING

Experienced:

C++ • Python • React

• Java • C

Intermediate:

C# • HTML • CSS

• Javascript • SQL

Familiar:

• PL/SQL • Shell

### VERSION CONTROL

Git/Github • Mercurial

### XR FRAMEWORK

MRTK • Aframe

## COURSEWORK

### GRADUATE

- Data Communication and Computer Networks
- Algorithm Design, Analysis, and Implementation
- Database Systems
- Security Analytics
- Data Mining
- Multimedia Networking and Operating Systems
- Programming Languages
- Information Security
- Independent Study involving security and privacy of XR (Advisor - Dr. Berkay Celik)

## 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

### PURSEC | Purdue University, IN, USA

| Spring 2022 – Present

Advisor: Dr. Berkay Celik

Project: Security and Privacy of Extended Reality Systems (XR). Working with HoloLens2, Quest2, Unity with MRTK and WebVR frameworks.

### MOBILE COMPUTING AND NETWORK RESEARCH GROUP

| NIT Durgapur, WB, India

| July 2017 - May 2019

Advisor: Dr. Subrata Nandi and Dr. Sujoy Saha

Project: Visualise Summarization of Crowdsourced GIS Objects and Corresponding Statistics Offline during a Post Disaster Situation. [Surakshit Dashboard Repo]

### CNERG | IIT Kharagpur, WB, India

| Research Intern (May 2018 – June 2018 )

Advisor: Dr. Sandip Chakraborty

Project: Peer-to-Peer Live Video Streaming based on Scalable Video Coding. [Repo]

## 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).

## TEACHING

### GRADUATE TEACHING ASSISTANT

EPICS and VIP

[Fall 2022, Spring 2023, Fall 2023]

ENGR 133 - First Year Engineering

Introduction to Excel, Python, MATLAB

[Summer 2023]