

# Moudipa Jana

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📄 <https://moudipa01.github.io/moudipajana-portfolio/>

## Personal Profile

Highly motivated, full-stack Computer Science Engineering fresher with a passion for problem-solving and programming. Proficient in multiple programming languages, eager to apply technical skills in real-world projects. Seeking full-stack placement opportunities to contribute to innovative solutions and grow as a professional in the field.

## Education

### Vellore Institute of Technology

Vellore, Tamil Nadu, India

Sept 2020 - Current

Integrated MTech: CSE with Specialisation in Data Science

**Courses:** Data Structure and Algorithms, Computer Architecture and Organisation, DBMS, OS, Object Oriented Programming, Theory of Computation, Artificial Intelligence, Design and Analysis of Algorithms, Network and Communication, Java Programming, Software Engineering, Web Programming, Human Computer Interaction

## University Projects

### Medicure | Medicine Guidance Web Application

- **Tools Used :** Python, Streamlit, Jupyter Notebook, HTML, CS
- Developed a Medicine Recommendation System that utilizes machine learning algorithms to analyze drug data, providing alternative medication suggestions based on user queries through a user-friendly Streamlit web interface.

### Automated Tagging System for Stack Overflow

- **Tools Used :** Flask, Scikit-learn, Pandas, NumPy, ReactJS, NodeJS
- Spearheaded a transformative project on Stack Overflow to revolutionise content categorisation using machine learning algorithms and real-time tagging. This initiative boosted efficiency by 30% and increased adaptability to community trends by 50%.

### Breast Cancer Detector API

- **Tools Used :** Python, DockerFile
- Developed an API that takes a 64 x 64 PNG image file extracted from a whole slide image as input and outputs the predicted probability of the image containing mitosis, aiding in the early detection of breast cancer.

### Split and Happy | Bill Splitting Application

- **Tools Used :** PHP, MySQL, HTML, JAVASCRIPT, CSS, Node.js
- Developed an application that scans handwritten bills and splits them among participants, simplifying the bill-splitting process.

### Q&A | Interview Practise Session Application

- **Tools Used:** ReactJS, MongoDB, ExpressJS, NodeJS
- Facilitates interview practice sessions by algorithmically matching interviewers and interviewees based on shared topics, enhancing preparation and learning outcomes.

## Work Experience

### FULL STACK DEVELOPER INTERN

Coneio Exim Pvt, Bangalore , India

07,2023- Current

- Working on the company's website based upon MERN stack and TypeScript.

**Skills Used :** ReactJS, NodeJS, ExpressJS, MongoDB, RestfulAPI, Typescript

### SOFTWARE DEVELOPMENT INTERN

Misfits, Gurugram , India

07,2023- 02,2024

- Worked on web application and app development, gaining real-time experience and hands-on expertise in Software Testing

**Skills Used:** Flutter, Golang, Typescript, React, Angular, Vue

### SOFTWARE DEVELOPMENT INTERN

IBM, Bangalore , India

07,2021- 11,2021

- Worked on a security-based management system, attended training to learn software development theory, techniques, and coding best practices. Gained in-depth expertise in coding languages including C++, Java, and JavaScript. Also, a part of the student developer community.

**Skills Used:** Java, Python, SQL, JQuery

### MENTOR AND MANAGEMENT LEAD

LetsGrowMore, UP , India

01,2021- 06,2021

- Promoted campus awareness of activities and engagement opportunities through various channels. Hosted programs to connect students with non-student neighbors, fostering creativity and perseverance in the face of challenges.

**Skills Used :** Leadership, Public Speaking

## Skills

**Programming Languages :** JAVA, C/C++, SQL, JavaScript, JQuery, GoLang

**Development Frameworks :** ReactJS, NodeJS, ExpressJS, AngularJS, VueJS, Typescript, Flask, Flutter

**Tools :** Docker, MySQL, Git, VS-Code, Figma(UI)

**Soft Skills :** Leadership, Event Management, Public Speaking, Writing

## Achievements

- General Secretary of VITMAS (VIT Vellore's Official Mathematics Student Chapter)
- Senior Core at DanceClub-VIT, Bengali Literary Association-VIT & Fepsi-VIT(NGO)
- Organiser of Cognition (a global hackathon organised by VITMAS). VITMAS-VIT : <https://www.vitmas.in/>
- Campus Ambassador of IMUN
- Finance Co-ordinator RIVIERA-2K23 (Cultural Event of VIT Vellore)

## Publications

### JOURNAL ARTICLES

Mathematical Modelling on Spread of Fungi on Open Surface

Journal of Consortium for Mathematics and its Applications(COMAP) (Feb. 2021) pp. 2021-22

## Certification

- Ethnus MERN STACK Industrial Internship
- AWS Solution Architect
- Cognizant Agile Methodologies
- Deloitte Technology Job Simulation

## Language

**English, Bengali, Hindi:** First Language , **German :** Lower Intermediate