

# Parthib Sarkar

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🔗 <https://github.com/Parthib0407>

## SKILLS AND CERTIFICATIONS

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**Languages:** Java, Python, C/C++, SQL (Oracle, Postgres), HTML/XML, Javascript, CSS, PHP

**Frameworks:** React, Node.js, WordPress, Flask

**Tools:** Visual Code Studio, Google Cloud Platform, VIM, Git, Pycharm, Spline, Figma

**Certifications:** NPTEL - Cloud Computing, NPTEL - Market Analytics, IBM - Cyber Security, IBM - Gen AI

## WORK EXPERIENCE

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### Experiencial Learning

September 2024

- Attended VIT Bhopal's Experiential Learning Program across Bangalore and Chennai, exploring quantum computing, supercomputing, and industrial tech
- Gained hands-on exposure to telecom systems, embedded devices, and manufacturing processes at C-DAC, BSNL, TVS, and ICF
- Strengthened skills in algorithms, OS, microcontrollers, and real-world problem solving through workshops and expert tech sessions

### Microsoft Club Member

Aug 2023 - Aug 2024

- Gained hands-on experience with Microsoft technologies such as Azure, Power BI, and Office 365, improving my coding, cloud computing, and software development skills
- Made over 300 connections with peers, alumni, and Microsoft professionals, facilitating valuable networking and mentorship opportunities

## PROJECTS

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### Harvest Hub

Team Project  
January, 2025

- Led frontend development for an AI-driven platform assisting farmers in crop selection based on geographic data
- Integrated plant disease detection using AI models, improving agricultural decision-making

### Sign Language Converter

Team Project  
November, 2024

- Built a Python app using OCR to convert hand gestures into text for sign language users
- Added reverse translation to convert text into gestures, enabling two-way communication
- Led development of a communication tool for the mute community and conducted 5 workshops for feedback and improvement

## Education

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### Vellore Institute of Technology, Bhopal

- Bachelor of Technology in Computer Science (Core)

Madhya Pradesh, India  
November, 2022 - Present

### Kendriya Vidyalaya Raiganj

- X & XII | CBSE Boards

West Bengal, India  
July, 2020 - July, 2022