

# Pratima Sonali Horo

Bangalore, Karnataka

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Pratima Sonali

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## Experience

### Philips

January 2023 – June 2023

Research and Development Intern

Bangalore, Karnataka

- Worked on a Project named Waveform Visualizer for MR R&D DCL Team, contributing to the initial development phase by participating in requirements gathering and implementing foundational features
- Contributed to the development of software using C++ and Qt, gaining practical experience with these technologies in a collaborative environment
- Conducted feasibility assessments and gathered requirements through discussions with stakeholders
- Took meeting minutes and created basic documentation to provide clarity and support future development efforts

### St. Xavier's School

April 2018 – March 2021

Teacher

Ranchi, Jharkhand

- Taught English and Mathematics to underprivileged children under the Outreach Project, planning and developing educational content such as notes and assignments
- Conducted remedial and extra classes, encouraging interactive learning through various teaching strategies
- Evaluated and documented student progress to track their academic growth

## Projects

### Audiobook Reader | Python, Kivy, tesseract OCR, gTTS

- Developed an Android mobile application that turns any scanned image or e-book into audio book

### Detection of Coronary Artery Disease | Python, Google Colab

- Created a Colab Notebook for detection of Coronary Artery Disease (CAD) using Machine Learning with a focus on Gradient Boosting Feature Selection to predict and diagnose CAD by identifying key risk factors

### Waveform Visualizer | C++, Qt

- Developed a desktop application to visualize waveforms generated from log files containing Radio Frequency and Gradient Data

## Education

### Masters in Computer Application

December 2020 – July 2023

Motilal Nehru National Institute of Technology, Allahabad

Prayagraj, Uttar Pradesh

CPI: 7.78

### Bachelors in Computer Application

July 2017 – July 2020

Birla Institute of Technology, Mesra (Off-Campus Lalpur)

Ranchi, Jharkhand

CPI: 6.51

## Skills

**Languages:** C, C++, Java, Python, HTML, CSS, JavaScript, SQL

**Tools and Technologies:** VS Code, Linux, XAMPP, LaTeX

**Relevant Coursework:** Data Structures and Algorithms, Operating System, Computer Network, Database Management System

**Soft Skills:** active listening, effective interpersonal and communication skills, adaptability to new concepts and situations, creative thinking, situational leadership skills

## Positions of Responsibility

### President

August 2015 – December 2015

Student Council | Loreto Convent

Ranchi, Jharkhand

- Led student body and managed communication between administration and students

### Secretary

September 2014 – December 2014

Student Council | Loreto Convent

Ranchi, Jharkhand

- Assisted in organizing and executing school events and initiatives

## Interests

- Music
- Art
- Dance