

TATWAMASI MISHRA

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EDUCATION

XIM UNIVERSITY

Bachelor of Technology (honors)

Computer Science & Engineering

Cumulative GPA: **8.86/10.0**; UG Class A **Scholarship Holder** since 2021

Bhubaneswar, India

2020 - 2024

SAI INTERNATIONAL SCHOOL

Senior Secondary School

Percentage: 95.4%

Bhubaneswar, India

2020

SAI INTERNATIONAL SCHOOL

Secondary School

Cumulative GPA: 9.36

Bhubaneswar, India

2018

WORK EXPERIENCE

INDIAN STATISTICAL INSTITUTE, KOLKATA

Summer Intern (Research) - Onsite

Kolkata, India

Apr 2023 - June 2023

- Conducted a comprehensive analysis of hospital data: Utilized the **Playwright** Python module along with the **Pandas** library to mine and clean hospital data from all 18 postal regions within Odisha.
- Developed a **Django-based web application** to demonstrate my results with the help of **OpenStreetMap**.
- Examined Resting-State fMRI data for Alzheimer's Disease detection: Prepared fMRI data through preprocessing using **DPARSF**. Implemented **k-NN**, **SVM**, and **Random Forest** classifiers with 3 connectivity measures and 5 different brain ATLASEs for analysis. Utilized **nilearn** and **networkx** Python libraries for the above classification task.

EXPRESION CONSULTANCY SERVICES

Frontend Developer Intern - Remote

Bhubaneswar, India

Jan 2021 - Mar 2021

- Frontend design using HTML, CSS, Bootstrap, JavaScript for Figloo - an e-library project.

TECHNICAL SKILLS

Programming Languages: JavaScript, PHP, Java, Python

Web Technologies: NodeJS, ReactJS, Express, HTML, CSS, Bootstrap, Django

DBMS: MySQL, MongoDB

Cloud: Google Cloud Platform (Firebase, Firestore, Cloud Functions) as part of internship at ISI Kolkata

Operating Systems: Familiar with Windows, Linux/Ubuntu

Others: Android, Git, Github, DPARSF, Tableau

PROJECTS

ThinkYard: a personal project ([view source code](#))

- Developed a full-stack **MERN** (MongoDB, Express.js, React.js, Node.js) application designed for note-taking purposes.
- With a React frontend, Express and Node at the backend, and a MongoDB database, implemented core CRUD (Create, Read, Update, Delete) operations to manage user-generated notes efficiently.
- Enabled user registration and login features and an user-friendly interface for creating, viewing, updating, and deleting notes.

XSCMS: XIM Student Convenience Management System ([view source code](#))

- Created a **PHP-based web portal** tailored to the needs of university students as part of a team of 4 members for my Advanced Web Development course.
- The portal offers convenience services such as mess meal bookings, tracking of paid meals, and status updates for on-campus vending zone shops.

Unit Converter ([view source code](#))

- **Android application** that converts one measure of unit to another.
- Beginner project made using Java as part of a 5 member team for our Android Programming (CSE 503) course.

CERTIFICATIONS

- Oracle Machine Learning using Autonomous Database 2023 Certified Associate by Oracle
- AWS Cloud Practitioner Essentials by AWS
- AWS Certified DevOps Engineer by AWS
- Front-End Web UI Frameworks and Tools: Bootstrap 4 by The Hong Kong University of Science and Technology at Coursera

POSITIONS OF RESPONSIBILITY

SYNCHRONIZE 2023, the first ever tech-fest of XIM University

XIM University

Coordinator, Steering

Sep 2022 - Jan 2023

- Led a 60-member team to organize the first ever tech-fest of the university which saw about 300 participants from within our university as well as from several other institutions across the state.
- Supervised 9 departments of the core team including the steering team to conduct 13 tech events, 2 cultural events and 2 guest talks as part of the fest.
- Visited companies, startups and educational institutions to pitch the events for sponsorship and participation.
- Managed the accounting for event finances.
- Contributed to the backend design for Betabytes, the debugging contest organized as part of the fest.

XPLORE, THE COMPUTING SOCIETY

XIM University

Coordinator

Jun 2021 - Mar 2023

- Led the core team of 5 members for 2 years.
- Organized interactive sessions and technical events like coding contests, workshops, quizzes and DSA sessions for a community of 50-60 members.

SAI TED

SAI International School

Assistant Director of Technology

Jul 2018 - Nov 2018

- Contributed to a team of 50-60 members to organize a state-level student-driven science fest.
- Managed the Crime Forensics workshop