

Wriddhi Hazra

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EDUCATION

JIS UNIVERSITY

B.TECH. IN COMPUTER SCIENCE ENGINEERING

(2020 - PRESENT)

CGPA : 8.8

HARIYANA VIDYA MANDIR

(2006 - 2020)

XII (CBSE) : 68% (2020)
X (CBSE) : 91.2% (2018)

EXPERIENCE

ARSINVENTIF Pvt. Ltd.

| Full-stack Engineering Intern

Nov 2022 - May 2023 | Kolkata, IN

- **Worked on system design and development** - A robust web application capable of facilitating secure digital attendance through facial recognition using AI, accessible from any device equipped with a web browser and a camera. This application was built using the NEXT.js framework utilizing React with TypeScript for frontend, and a serverless backend via NEXT.js API routes paired with PostgreSQL. Supports role-based access: users log attendance, while admins access filtered dynamic data, detailed graphs and exportable CSV reports for official auditing.
- **Led and Developed** - An online fees management portal built with NEXT.js with Typescript for frontend and backend API routes paired with a MySQL database. This web-app enabled students to check pending semester fees and download an auto-generated dynamic receipt as PDF upon payment approval while empowering accounts department of the institute to approve and decline payments from individual students following certain policies on multiple modes of payment while also being able to view the statistics and analytics regarding received, pending and overdue gross revenue and download the required data in a XLSX format.
- **Supported in Developing** - An online video viewing platform built using plain HTML5 and CSS5 along with JS for frontend with a PHP backend connected to an AWS DynamoDB MYSQL database and S3 storage bucket. This platform enabled teachers to upload their live class recording video with additional metadata such as class, subject, topic which is used to categorize and filter the videos while showing them to the students who can log in using their institute provided credentials and view all the lectures of the courses they are enrolled in.

COURSEWORK

UNDERGRADUATE

- Data Structures & Algorithm
- Database Management System
- Basic Computer Architecture
- Advanced Computer Architecture
- Operating Systems
- Programming for Problem Solving
- Data Science
- Machine Learning
- Probability and Statistics
- Design and Analysis of Algorithms
- Discrete Mathematics
- Embedded Systems
- Software Engineering
- Computer Networks and Cryptography

SKILLS

PROGRAMMING

LANGUAGES:

- C/C++ • Python3 • Java
- C# • PHP • POSTGRESQL
- JavaScript • Bash • SQL
- TypeScript • Go • Terraform

FRAMEWORKS:

- Next.js • Express.js • Flask
- React.js • Node • Django
- HTML5 • Apache • AWS
- CSS3 • NGINX • Docker

CERTIFICATIONS

PROGRAMMING

- [Mathematical Thinking in Computer Science - UC San Diego](#)
- [Cyber Security and Ethical Hacking - Ardent Computech Pvt. Ltd](#)
- [Cloud Computing using AWS - Ardent Computech Pvt. Ltd](#)

ACHIEVEMENTS

- **One of the top 10 innovators in the XR Grand Challenge by FITT-IIT Delhi and Meta (Facebook)**, and invited to attend the live bootcamp at IIT Delhi Campus, Delhi.
- **Ranked 14th in Ground Zero Hackathon - West Bengal Cyber Challenge, 2022** by Cyber Security Centre of Excellence, West Bengal & Indian School of Ethical Hacking (ISOEH)