GYANENDRA BEHURA | 19IM30010

INDU. ENGG. INDU. ENGG. & MANG. (M.Tech Dual 5Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH Dual Degree 5Y	IIT Kharagpur	8.27 / 10
2018	CHSE (Odisha Board)	S.V.M. College	84.8%
2016	BSE (Odisha Board)	Purohitpur High School	91.5%

INTERNSHIPS

Wise Tech Global | R&D - Development Intern | Full Stack Developer   May 2023 - Jul 2023

Objective: *To craft OCR web solution automating data extraction from PDFs, Image documents, Forms and Invoices*
- Developed a web platform using **React Js** for data extraction from new document templates and used **JSON** to post in **MySQL** db
- Applied **Flask** for API calls**, OpenCV** for image processing, and **mysql-connector** to connecting and updating the MySQL database
- Implemented user-friendly UI for **data validation**, **approval** and ensuring accuracy through document comparison and validation
- Parallelized **image-to-text call function** and **image pre-processing functions** with **multithreading** to improve UI performance by **30%**
- Used **PyAutoGUI, Canvas-Tkinter app** for input field detection, **image-to-text** transformation, **MySQL** storage, and **data processing**

PROJECTS

Web Based OMR Checker| Master's Term Project | Full Stack   Aug 2023 - Nov 2023

- Led the creation of a web-based OMR Checker, demonstrating expertise in **HTML**, **CSS**, **React.js**, **Flask**, **MYSQL and OpenCV**
- Developed a cost-effective OMR solution for smaller educational **K-12** organization, showcasing problem-solving skills and innovation
- Developed **image analysis feature for automated scoring** upon uploading, enhancing system efficiency, solving real world problems

Optimising Bank lending Decisions | Term Project   Jan 2022 - Apr 2022

- Employed Genetic Algorithm for **loan approval optimization**, tackling the **NP- hard** complexity associated with the process
- Combined **Genetic Algorithm** and **Particle Swarm Optimization**, enabling outcome comparison for loan approval optimization
- Visualized results using **MATLAB**, presented comprehensive findings in a classroom setting for loan approval optimization strategies

Cooking Recipes App | Self Project   Nov 2021 - Dec 2021

- Developed a **multi-screen app** using **Flutter**, featuring diverse recipes with ingredients categorized by tags for different dishes
- Implemented **filters** like **gluten-free**, **lactose-free**, **vegan**, and more for customized recipe searches in the mobile application
- Incorporated a **Favorites section**, enabling users to save **preferred recipes**, ensuring quick access to their chosen dishes

World Clock | Self Project   Nov 2021 - Dec 2021

- Utilized **Flutter** to create a **multi-screen app** displaying time from various countries along with corresponding **flag icons**
- Implemented **dynamic theming**, altering the app's appearance based on the country's time with **day/night background wallpapers**
- Combined functionality and aesthetics, creating a **user-friendly app** for tracking global time zones and enhancing user experience

Weekly Expense Tracker | Self Project   Nov 2021 - Nov 2021

- Developed a **single-screen** expense tracking app with Flutter, featuring daily transaction recording and an **integrated calendar function**
- Generated an **inverted bar chart** comparing user's daily expenses, **depicting days of the week** versus total transaction expenditure
- Offered a comprehensive tool for users to monitor and analyze their spending habits, fostering **better financial management**

COURSEWORK INFORMATION

Academic: Operation and Research(T/L) | Probability and Statistics | Optimisation and Heuristic Methods(T/L) | Informations Systems Lab | Recommender Systems in E-Business | Safety and Risk Analytics | Financial Engineering | Product Development | Generalized Linear Model | Logistics and Supply Chain | Linear Algebra | Frugal Engineering | Quality Engineering | Work System Design(T/L) | Game Theory
Miscellaneous: Algorithms & Data Structures | Meta Front-end Developer | Meta Back-end Developer | Google Data Analytics

SKILLS AND EXPERTISE

Git | C/C++ | Python | HTML | CSS | JavaScript | ReactJS | NodeJS | NextJS | Flask | Flutter | Dart | React Native | ExpressJS | MongoDB | Django **|** OpenCV | Pandas |Tkinter | PyAutoGUI **|** MYSQL | MATLAB | VS Code | Pycharm | Android Studio | MS-Office | GitHub | Linux

COMPETITION/CONFERENCE

Codechef | Handle - gbehura123

- Secured a noteworthy Global rank of **379**, outperforming numerous participants in the highly competitive **November Cook-Off, 2021**
- Achieved a noteworthy Global rank of **795** , outperforming numerous participants in the highly competitive **June Long One, 2022**

LeetCode | Handle - 19IM30010

- Secured a highest rating of **1661** at Leetcode contests, accomplishing this remarkable feat after participating in just **5** contests
- Earning a Leetcode global rank of **167k**, I've navigated the challenges posed by over **5M+** users, diligently solving **351** problems

AWARDS AND ACHIEVEMENTS

- Secured AIR of **4299**, outperforming **0.23 millon** candidates in the highly competitive **JEE Advanced 2019 examination**
- Secured **98.57** percentile , outperforming **1.6 million** candidates in the highly competitive **JEE Mains 2019 examination**
- Secured AIR of **72** in **NEST Examination 2019** among **60k candidates** and got admission offer to the **UM-DAE CEBS**

EXTRA CURRICULAR ACTIVITIES

Weightlifting: Accomplished top squat in Freshers weightlifting contest, previously contributed to NSO Weightlifting
Dramatics: Engaged in hall nukkad and GC stage play, securing 3rd runner-up, praised for exceptional props design by judges
Wing Representative: Organized events for Sastrian Utsav and Diwali illumination, adeptly managing over 500 students