ABHIJIT RABIDAS

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EDUCATION

Master of Computer Application (MCA)   Sep 2024 - Present
Jadavpur University

Bachelor of Science (Hons.) in Computer Science   Oct 2020 - Aug 2023
Ananda Chandra College   *CGPA: 8.99 / 10*

SKILLS

Coursework	DSA, OOP, Operating Systems, Computer Network, DBMS
Languages	C, C++, Python, Java, SQL
Web Development	HTML, CSS, JavaScript, React.js, Tailwind CSS, Node.js
Databases	MySQL, PostgreSQL
Tools	VS Code Git, GitHub, Vercel

PROJECTS

Brain Tumor Detection and Segmentation from CT Scan Images   GitHub
MATLAB, SVM, HOG Feature Extraction, Otsu Thresholding, k-means Clustering

- Developed a system for detecting and segmenting brain tumors from CT scans using SVM and advanced image processing techniques.
- Implemented skull stripping using intensity slicing and Otsu thresholding for preprocessing.
- Utilized SVM for classification, HOG features, k-means clustering, and super-pixel techniques for precise tumor localization and segmentation.
- Achieved accuracy of 98.51% for tumor detection and 96.72% for tumor segmentation.
- Delivered an automated solution for medical image analysis with tumor detection and segmentation.

Personal Finance Tracker Web Application   GitHub
React, Vite, Node.js, Express, PostgreSQL, Chart.js, CSS, JavaScript

- Built a responsive web app for tracking income, expenses, and savings goals with React, Node.js, and PostgreSQL.
- Designed an intuitive dashboard with charts for analyzing spending trends and managing budgets.
- Implemented features for categorizing transactions, tracking savings, and sending budget reminders.

ACHIEVEMENTS

- **Hackerrank Rating: 4** stars in C++.
- Secured **Rank 61** in **WB JECA 2024**.

CERTIFICATIONS

C++ Course: Learn the Essentials

LANGUAGES

Bengali, English, Hindi