

# Abhijit Rabidas

📍 Kolkata, West Bengal    ✉ abhijit.rabidas.mca@gmail.com    ☎ 7679489050    🌐 abhijitrabidas.live  
in abhijit-rabidas    🔄 Abhijit-Rabidas

## Professional Summary

---

Full-stack web developer with hands-on experience in React.js, Node.js, and MongoDB, passionate about building scalable and user-focused applications. Strong in problem-solving and collaboration within team environments.

## Education

---

**Jadavpur University** Sept 2024 – Aug 2026  
*Master of Computer Application (MCA)* SGPA: 7.86/10

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

## Projects

---

**MicroDome – Coaching Platform** [Live Demo](#) 

*React.js, Tailwind CSS, Node.js, Express.js, MongoDB*

- Developed and deployed a scalable full-stack coaching platform for IIT JAM, CUET PG, M.Sc Entrance, and semester exams.
- Designed responsive UIs and developed secure backend APIs with Node.js and Express to manage courses, user data, and session flow.
- Integrated MongoDB for structured storage of course and user data.

**CollegByte – Academic & Alumni Portal** [Live Demo](#) 

*React.js, Tailwind CSS, Node.js, Express.js, MongoDB*

- Built a collaborative platform for sharing notes, PYQs, and academic resources within the department.
- Developed an interactive alumni network feature for mentorship and collaboration.
- Implemented a responsive design with secure APIs for real-time resource sharing.

**Brain Tumor Detection and Segmentation from CT Scan Images**

*MATLAB, SVM, HOG Feature Extraction, Otsu Thresholding, k-means Clustering*

- Developed an automated system to detect and segment brain tumors in CT scans using SVM and advanced image processing.
- Applied 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.

## Technical Skills

---

<b>Languages:</b>	C, C++, SQL
<b>Frontend:</b>	HTML, CSS, JavaScript, React.js, Tailwind CSS
<b>Backend:</b>	Node.js, Express.js, MongoDB
<b>Tools:</b>	Git, GitHub, Postman, Vercel, Render
<b>Coursework:</b>	DSA, OOPs, Operating Systems, Computer Network, DBMS