

# Debraj Ghosh

Software Engineer | Front-End Developer | MERN Stack

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≡ [GitHub](#) ≡ [LeetCode](#)

## SUMMARY

Results-driven MCA 2024 graduate with strong problem-solving skills and hands-on experience in full-stack development. Proficient in core SDE technologies including Python, C++, JavaScript, React.js, Node.js, and MongoDB. Developed real-world applications such as a signature forgery checker using ML and a secure note-taking platform. Completed 360+ DSA problems on LeetCode. Passionate about building scalable, efficient, and user-centric software solutions in dynamic development environments.

## TECHNICAL SKILLS

- Languages: Python, C++, JavaScript
- Frontend: React.js, Tailwind CSS, Bootstrap, HTML, CSS
- Backend: Node.js, Express.js
- Database: MongoDB, MySQL
- Tools: Git/GitHub, VS Code, Jupiter Notebook
- Others: REST APIs, JWT Auth, File Handling (C++), Image Processing (OpenCV), TensorFlow, Scikit-learn

## ACADEMIC DETAILS

Year	Degree	Institute	Percentage/CGPA
2024	Master of Computer Application	Lovely Professional University	CGPA = 6.68/10
2022	Bachelor of Computer Applications	Brainware University	CGPA = 9.45/10

## INTERNSHIPS (Virtual)

Virtual Internship - Software Engineering | J.P. Morgan (Forage) | Jan-Jul 2025

Technologies: Java, Spring Boot, REST API, Kafka, Maven, SQL, Kotlin, Microservices, React, Jira

- Built and optimized Java microservices using Spring Boot and REST APIs.
- Used Kafka for event-driven communication and SQL for backend data handling.
- Contributed to React-based UI integration for enterprise modules.

## STRENGTH

- Strong problem-solving and debugging skills
- Quick learner with curiosity for modern development practices
- Passion for building user-centric, scalable software

## MAJOR PROJECTS

Think board [Link](#)

May '25 — Jul '25

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

- Built a digital note-taking web app with JWT-based user authentication.
- Implemented full CRUD operations and secure password encryption using bcrypt.js.
- Deployed frontend on Netlify and backend on Render.

Hand Written Signature Forgery Checker [Link](#)

Aug '23 — Mar '24

Python, OpenCV, TensorFlow, Scikit-learn

- Enhanced ML model to classify forged vs. genuine signatures.
- Used feature extraction techniques like HOG and CNNs.
- Achieved high accuracy and built a GUI/web interface for real-time predictions.

Employee Attendance System

May '25 — Jul '25

C++ with File Handling and Console UI

- Designed a secure login and attendance system using C++ classes and file streams.
- Admin panel to view/edit daily/monthly reports with password protection.

## CERTIFICATIONS

- Cloud Computing – IBM (2023)
- Object-Oriented Data Structures in C++ – University of Illinois (Coursera, 2023)
- Python Data Structures – University of Michigan (Coursera, 2023)