

Rajesh Pal

STUDENT

rajeshpal31082001@gmail.com

[LinkedIn Profile](#)

[+91 62901 10597](tel:+916290110597)

[Github Profile](#)

[Portfolio](#)

Kolkata

CAREER OBJECTIVE

Aspiring AI/ML Engineer with foundational skills in machine learning, Python, and the MERN stack, eager to drive impactful, data-driven projects in AI, computer vision, and web development.

SKILLS

Technical Skills

- Programming Languages:** Python, Java, C, JavaScript
- Web Development:** MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS
- Data Science & Machine Learning:** Machine Learning, Computer Vision, Predictive Modelling
- Database Management:** DBMS, MongoDB
- Tools & Frameworks:** Git, OpenCV, scikit-learn, NumPy

Soft Skills

- Problem-Solving:** Proven ability to analyse complex problems and develop effective solutions
- Communication:** Skilled in collaborating with technical and non-technical teams
- Adaptability:** Flexible and able to quickly learn and apply new technologies
- Time Management:** Experienced in prioritizing tasks and meeting project deadlines
- Team Collaboration:** Capable of working effectively in cross-functional Agile teams
- Critical Thinking:** Strong decision-making skills with a focus on data-driven solutions

EDUCATION

Sep 2023 – July 2025

- Master's of Computer Application degree,**
Meghnad Saha Institute of Technology – Kolkata (1st Year Completed)

Aug 2020 – July 2023

- Bachelor's of Science: Computer Science,**
University of Calcutta (Narasinha Dutt College)

July 2020

- Higher Secondary, Science (Computer Application),**
New Andul Higher Class School

CERTIFICATIONS

Nov 2024

- Software Engineering certificate by NPTEL**
Focused on software development methodologies, including Agile, Scrum, and project management principles.

Mar 2024

- Introduction to Programming C certificate by NPTEL**
Covered foundational programming concepts, data structures, and algorithms.

2021

- Diploma in Computer Application Certificate**

PROJECTS

Oct 2024

Bengaluru House Price Prediction

- Built a machine learning model using Python & scikit-learn to predict housing prices based on key property features.
- Improved prediction accuracy by 20% through advanced feature engineering and hyperparameter tuning.
- Tech Stack:** Python, Pandas, NumPy, scikit-learn, Matplotlib.

2024

A Social Media App

- Developing a **MERN stack-based** social media platform with user authentication, posts, and real-time messaging.
- Implementing **JWT authentication** and **MongoDB indexing** for secure and efficient data handling.
- Tech Stack:** MongoDB, Express.js, React.js, Node.js, Chakra UI, Tailwind CSS.

Apr 2024

Face-recognition Attendance System

- Automated **student attendance tracking**, reducing manual workload by **50%** across multiple departments.
- Achieved **95% recognition accuracy** using **OpenCV** & **deep learning** under varying lighting conditions.
- Tech Stack:** Python, OpenCV, Face-recognition, c-make, firebase.

2023

Automatic Car Number-Plate Detection System

- Developed an **AI-powered vehicle identification system** for security and traffic monitoring.
- Utilized **OCR and image processing techniques** for accurate plate extraction under diverse conditions.
- Tech Stack:** Python, OpenCV, Tesseract OCR, NumPy.