# Rajesh Pal

**STUDENT**


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LinkedIn Profile | Github Profile | 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.

## EDUCATION

Sep 2023 – July 2025

- **Master's of Computer Application degree,**
  *Meghnad Saha Institute of Technology – Kolkata*
  *GPA – 8.32 (Last Semester)*

Aug 2020 – July 2023

- **Bachelor's of Science: Computer Science,**
  *University of Calcutta (Narasinha Dutt College)*
  *GPA – 7.5*

July 2020

- **Higher Secondary, Science (Computer Application),**
  *New Andul Higher Class School*
  *Percentage – 80%*

## 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

## 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.*

July 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.*

Jan 2025

### 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.*

July 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.*