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.

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

Developed a predictive model using Python and scikit-learn to analyze and forecast housing prices based on location, size, and amenities. Improved model accuracy by 20% through feature engineering

2024

Driver's drowsiness detection (Ongoing)

Designed an advanced driver activity monitoring system with realtime alerts for drowsiness using Python a nd computer vision; system is currently deployed in 50 vehicles, improving driver attention and decreasing fatigue-related incidents.

2024

A Social Media App (Ongoing)

I am using MERN stack to build a fully functional Social media app.

Apr 2024

Face-recognition Attendance System

Created using OpenCV and Python with a recognition accuracy of over 95%, facilitating attendance management for organizations.

2023

Automatic Car Number-Plate Detection System

In order to reliably detect and extract vehicle license plate information from photos or video streams for security and traffic management applications, the Automatic Car Number Plate Recognition Project makes use of cutting edge image processing and machine learning techniques.