

Pushpendra Singh

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Profile Summary

AI and Machine Learning undergraduate with hands-on experience developing end-to-end machine learning applications using Python, Scikit-learn, Pandas, NumPy, and Streamlit. Completed an AI/ML internship at MNNIT Foundation where I built predictive models using Logistic Regression, Random Forest, and XGBoost. Passionate about solving real-world problems through data-driven solutions and software development.

Academic Details

B.Tech in Computer Science (AI & ML)

2023 – Present

Allenhouse Institute of Technology, Kanpur.

Internship

Artificial Intelligence and Machine Learning Intern

June 2026 – July 2026

Innovation & Incubation Hub, MNNIT Foundation, Motilal Nehru National Institute of Technology (MNNIT), Prayagraj.

- Built an end-to-end machine learning pipeline involving data preprocessing, feature engineering, model training, and evaluation using Python, Pandas, and Scikit-learn.
- I Compared Logistic Regression, Decision Tree, Random Forest, and XGBoost models to identify the best-performing classifier using accuracy, precision, recall, and F1-score.

Projects

Railway Ticket Booking Website

Jan 2025

- Developed a responsive railway ticket booking website using HTML, CSS, JavaScript, and Bootstrap with secure login and real-time seat availability.

Heart Disease Prediction App

June 2026

- Built a Machine Learning-based web application using Python, Scikit-learn, Pandas, and Streamlit for heart disease risk prediction.

Car Price Prediction

July 2026

- Developed a Machine Learning regression model using Python, Scikit-learn, Pandas, and XGBoost to predict car prices.

Loan Approval Prediction System

July 2026

- Designed a Machine Learning application using Python, Scikit-learn, and Streamlit to predict loan approval based on applicant details.

Google Search Analysis

July 2026

- Developed a Python-based analytics application using Pytrends, Pandas, and Matplotlib to analyze and visualize Google search trends.

Training

Data Structures and Algorithms (DSA)

Sept 2025 – Nov 2025

Solved competitive programming problems using Python and C on platforms such as LeetCode and HackerRank, which enhanced my technical skill.

Full Stack Development Training

June 2026 – July 2026

Completed Full Stack Development training, gaining hands-on experience in building responsive web applications using front-end and back-end technologies. Developed multiple projects while strengthening problem-solving, debugging, and software development skills.

Workshops

- **AI Tech Confluence** — Dr. A.P.J. Abdul Kalam Technical University, Lucknow

May 2025

Attended the GUVI-HCL Certified Workshop on Artificial Intelligence. Gained hands-on experience with machine learning and core AI concepts.

- **SoftPro India** — Dr. A.P.J. Abdul Kalam Technical University, Lucknow

27–29 Nov 2025

Took part in the SoftPro India ML certification workshop, acquiring hands-on experience in machine learning and foundational AI concepts.

Technical Skills

- **Programming Languages** — Python, C, Java (Basic), PSQL.
- **AI/ML** — Machine Learning, Pandas, NumPy, Scikit-learn, Matplotlib.
- **Web Technologies** — HTML, CSS, JavaScript, Bootstrap.
- **Tools & Platforms** — GitHub, VS Code, Jupyter Notebook.
- **Core Computer Science** — Data Structures & Algorithms, Object-Oriented Programming, DBMS.
- **Professional Skills** — Problem Solving, Leadership, Teamwork.

Achievements

- Secured **1st Rank** in the Rajiv Gandhi General Knowledge & Reasoning Competition at the district level (2019).
- Completed AI/ML internship at MNNIT Foundation.