

Yash Awasthi

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Career Objective

Aspiring AI/ML Engineer with hands-on experience in building and deploying machine learning models and scalable web applications. Focused on solving real-world problems using data-driven approaches, model optimization, and end-to-end system design.

Education

B.Tech in Computer Science and Engineering

Babu Banarasi Das Institute of Technology and Management (2023–2027)

Senior Secondary (PCM)

Bal Nikunj Inter College (2021–2023)

Technical Skills

Programming: Python, C++, C

Machine Learning: Scikit-learn, Pandas, NumPy

Data Visualization: Matplotlib, Seaborn

Web Development: Django, HTML, CSS, JavaScript

Tools: Git, GitHub, Render

Communication Skills

- Ability to explain technical concepts clearly
- Effective collaboration in team environments

Projects

MegaPixel Creations (Deployed on Render)

Developed a full-stack photography platform using Django with dynamic gallery management and image handling.

Implemented backend logic for image upload, storage, and optimized rendering ensuring consistent UI layout.

Focused on performance optimization, responsive design, and scalable deployment using Render.

Designed structured UI/UX for seamless user interaction and improved visual consistency.

Heart Risk Prediction System (Deployed on Render)

Built a machine learning classification system to predict heart disease risk using Scikit-learn.

Performed feature engineering including data cleaning, encoding categorical variables, and feature scaling using StandardScaler.

Trained and compared multiple models (Logistic Regression, Gaussian NB, KNN, SVM) using consistent train-test methodology.

Evaluated models using confusion matrix, precision, recall, and F1-score to analyze performance trade-offs.

Achieved ~85% accuracy with Logistic Regression and selected it based on optimal precision-recall balance.

Deployed the model with an interactive interface on Render.

Achievements

- 100 Days LeetCode Badge – demonstrated consistency in problem solving
- Tier-1 Robotics Workshop – built an Arduino-based robo car using sensors

Strengths

- Strong team collaboration and coordination
- Structured problem-solving approach

Hobbies

- Playing badminton
- Exploring AI systems and conversational models