DHANANJAY GUPTA

AI/ML | DATA SCIENCE ENGINEER

8577996121 | dhananjayg012002@gmail.com | GitHub ↗ | LinkedIn ↗

Deoria khas, Deoria, Uttar Pradesh, India

Driven and results-oriented professional with a strong foundation in Python programming, databases, and core principles of AI and ML. Passionate about designing and deploying AI-powered applications to solve real-world problems. Seeking a challenging and dynamic role to contribute innovative solutions, enhance system performance, and continuously expand technical expertise in a fast-paced, growth-oriented environment.

EXPERIENCE

AI-Blessing is Curse: Paradoxical perspective on AI and ML in employment

Being in progress

- Conducting research on dual impact of AI and ML on job employment, by analyzing both opportunities and challenges.
- Exploring Paradoxical perspective of AL and ML adoption in business industry, focusing on skill gaps and future trends.

AI engineer intern | IBM virtual internship

June 2025 – July 2025

- Developed Watson Book Buddy, an AI-powered chatbot using IBM Watsonx Assistant, delivering personalized book recommendations.
- Integrated React frontend with Flask backend, reducing response latency by **25%** for a smoother user experience.
- Enhanced recommendation system by implementing mood, genre, and interest-based filtering, improving recommendation accuracy by **20%**.
- **Project Link:** GitHub (Watson Book Buddy) ↗

EDUCATION

Master of Computer Application (MCA)

Babu Banarasi Das University, Lucknow, U. P. India

Sep 2024 – Jun 2026 | SGPA: 7.6

Bachelor of Computer Application (BCA)

Babu Banarasi Das University, Lucknow, U. P. India

Oct 2020 – Jun 2023 | SGPA: 8.9

PROJECTS

- **Stock Price Predictor**
- Developed an NLP-based stock prediction model, achieving **82%** accuracy on test data (Project Link↗)
- **Watson Book Buddy Chatbot**
- AI-based book recommendation chatbot using IBM Watson, React, Flask
- Improved recommendation accuracy by **20%** using mood and genre-based filtering (Project Link↗)
- **GYAN-AI Chatbot**
- Conversational assistant for navigating government schemes (Project Link↗)
- **Fruit Classification**
- Implemented an image classification model using TensorFlow & Keras
- Achieved **95%** classification accuracy
- **Face Recognition System:** Enhanced an OpenCV-based recognition application, achieving **93%** recognition accuracy
- **Vehicle Service Station Portal:** Java Full Stack web portal.

CERTIFICATIONS

- **IBM AI Internship Program**
- **Software Engineering Simulation** – JPMorgan Chase & Co.
- **SQL Intermediate** – HackerRank
- **Artificial Intelligence Fundamentals** – IBM
- **MongoDB with Python**
- **PostgreSQL** – IIT Bombay

AREAS OF INTEREST

- **Natural Language Processing (NLP)**
- **Artificial Intelligence & Machine Learning**
- **Neural Networks**
- **Secure Cloud Computing**

STRENGTHS

- Strong problem-solving abilities
- Quick learner with adaptability
- Effective teamwork and leadership skill
- Solid foundation in practical implementation

TECHNICAL SKILLS

- **Programming Languages:** Python
- **AI/ML Frameworks & Libraries:** TensorFlow, Scikit-learn, Pandas, NumPy, OpenCV, Matplotlib, PyTorch
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, TailWind CSS, React, REST API
- **Database Management Systems:** MySQL, MongoDB, PostgreSQL
- **Cloud:** Amazon Web Services (AWS)
- **Other:** MATLAB, Large Language Model (LLM), Retrieval-Augment Generation (RAG), Transformers, Kubernetes, CI/CD, Docker