

# Dipanshu Mishra

Backend Developer Intern | Data Scientist | Machine Learning Engineer | P:91+8454081928 | [GitHub](#) | [LinkedIn](#)

## EDUCATION

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### Thakur college of Science and Commerce

Master of Science in Information Technology

CGPA: 8.00/10

May 2026

### Mumbai University

Bsc in Information Technology

CGPA: 8.12/10

May 2023

## RELEVANT COURSEWORK

Machine Learning, Database Management Systems, Data Structures, Operating Systems, Software Engineering.

### Technical Skills:

**Python | Django, REST APIs, JWT, Authentication | ML: Scikit-learn, TensorFlow, PyTorch | Pandas, NumPy | SQL, PostgreSQL | Git, | Model Evaluation.**

## WORK EXPERIENCE

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### Web Developer Intern,

Save As Web – Andheri, Mumbai

June 2023 – January 2024

- Designed and developed 3 responsive web applications using WordPress and modern web technologies, increasing user engagement and page views by 40%.
- Applied statistical analysis to user behavior data and implemented secure authentication systems using the Laravel framework, improving system security metrics by 20%.
- Developed a business intelligence dashboard with interactive data visualizations, improving inventory management efficiency by 15% through automated reporting and predictive analytics.
- Worked with databases, backend logic, and API-driven workflows in a production environment.

## PROJECTS

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### **Breast Cancer Classification Using Machine Learning -Link**

Feb 2025

- Developed a supervised machine learning-based breast cancer classification system using structured medical datasets.
- Implemented and benchmarked 12 ML algorithms including Logistic Regression, SVM, Random Forest, XGBoost, and Neural Networks.
- Achieved 97.36% diagnostic accuracy with F1-score of 0.966 through feature engineering and hyperparameter optimization.

### **Tuberculosis Detection Using Machine Learning and Deep Learning--Link**

June 2025

- Developed a multi-approach tuberculosis detection pipeline using classical ML and CNN-based deep learning.
- Implemented CNN-based feature extraction to improve medical pattern recognition.
- Evaluated models using accuracy, precision, recall, F1-score, and confusion matrix, prioritizing recall to minimize false negatives.
- Conducted comparative analysis to identify the most reliable model for TB screening support.

### **Full-Stack E-Commerce Web Application-Link**

Dec 2025

Software Engineering | Django

- Built a full-stack e-commerce platform using Django with product management, cart system, order processing, and Razorpay payment integration.
- Implemented authentication, session management, optimized ORM queries, and secure checkout workflow

