

ABHIRAJ SINGH BHADORIYA

Jabalpur, Madhya Pradesh, India • +91-91094-63326 • asbhadawar1401@gmail.com

[LinkedIn](#) • [GitHub](#) • [LeetCode](#)

PROFESSIONAL SUMMARY

B.Tech student in Artificial Intelligence & Data Science with strong expertise in Data Structures & Algorithms, competitive problem solving, and foundational machine learning. Microsoft Certified in SQL with hands-on experience building mathematical ML engines from scratch and architecting data/ML pipelines in competitive hackathons.

EDUCATION

Jabalpur Engineering College — Jabalpur, India

2024 — 2028

Bachelor of Technology (B.Tech) — Artificial Intelligence & Data Science

Relevant Coursework: Discrete Mathematics, Database Management Systems (DBMS), Data Structures & Algorithms (DSA)

TECHNICAL SKILLS

Languages: Python, C++, SQL

Libraries & Tools: NumPy, Pandas, Scikit-Learn, TensorFlow, Matplotlib, Git, Fedora Linux (CLI)

Computer Science Fundamentals: Object-Oriented Programming (OOP), DBMS, Data Structures & Algorithms (DSA), Problem Solving, Competitive Programming

EXPERIENCE

Advita Technologies — Harda, Madhya Pradesh

[Offer Letter Link](#)

Programming Developer (Offer Letter)

- Received an offer letter to join as a Programming Developer, contributing to software development projects.

PROJECTS

From-Scratch Vectorized Linear Regression Engine | Python, NumPy

- Developed a multiple linear regression framework with custom Z-score feature scaling and fully vectorized gradient descent routines using pure NumPy matrix operations.

From-Scratch K-Means Image Compression Engine | Python, NumPy, Matplotlib

- Built an unsupervised image compression pipeline via color quantization, vectorizing Euclidean distance across 3D RGB channels to balance storage reduction and image fidelity.

NumPy-Only Multi-Layer Perceptron (Digit Recognizer) | Python, NumPy

- Architected a 3-layer neural network from scratch for MNIST classification, programming vectorized forward-prop (ReLU, Softmax) and manual multi-variable chain-rule backprop.

ACHIEVEMENTS & LEADERSHIP

- Winner — HackCrux 2025 (LNMIIT):** Clinched 1st place in a national hackathon by architecting and delivering an end-to-end technical prototype under strict time constraints.
- Hackathon Leadership:** Competed in **7 national-level hackathons**, serving as **Team Lead in 3**; directed project architecture, team execution, and core AI/ML + Database modules.
- Competitive Programming:** Achieved a **1600+ Rating** on LeetCode; actively solving algorithmic problems with high efficiency.

CERTIFICATIONS

- Microsoft Certified:** SQL Fundamentals
- Machine Learning Specialization** — DeepLearning.AI & Stanford University (Instructor: Andrew Ng)
Completed all 3 courses: Supervised ML • Advanced Learning Algorithms • Unsupervised Learning, Recommenders, & RL