

Ankit Verma

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SKILLS

- **Artificial Intelligence & Machine Learning**
 - Python, NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn
 - Data Preprocessing, Feature Engineering, Regression Models, Model Training & Evaluation
 - Natural Language Processing (Text Preprocessing, TF-IDF, Word Embeddings)
- **Software & Full Stack Development (MERN – ML System Integration)**
 - HTML, CSS, Tailwind CSS, JavaScript, React.js
 - Node.js, Express.js, MongoDB, MySQL
 - RESTful APIs, JWT Authentication
- **Programming & Core CS**
 - C++, Python, JavaScript
 - Data Structures & Algorithms, OOPs, DBMS Fundamentals
- **Tools & Platforms**
 - Git, GitHub, VS Code, Postman, Linux, Windows

WORK EXPERIENCE

Freelance Software Developer, AI/ML Engineer (Project-Based)

Jan 2024 – Present

- Delivered 5+ MERN applications, improving load times by 40% and increasing user engagement by 50%.
- Engineered 10+ reusable React components, accelerating development cycles by 35%.
- Integrated 5+ third-party APIs for secure authentication and payments.
- Developed and optimized an NLP chatbot with intent classification, processing 1K+ messages at ~95% accuracy.

PROJECTS

Intelligent WhatsApp Reply Engine | [GitHub](#) | [Live](#)

Jan 2024 - Present

- **Engineered** a MERN-based WhatsApp automation system featuring persistent QR login and **real-time message handling with 90% session stability**, improving bot uptime significantly.
- **Designed** a knowledge-driven reply engine with **intent + language detection (95% accuracy)** and an NLP tone-matching layer that boosted multilingual response correctness by ~60%.
- **Implemented** advanced WhatsApp command controls that **reduced manual rule updates by 70%**, enabling complete auto-reply management directly through chat.
- **Tech Stack:** React.js · Node.js · Express.js · MongoDB · Baileys/WhatsApp-Web.js · JWT Auth · NLP (Embeddings & Language Detection) · REST APIs · Socket.io

InternshipHub – Multi-Role Internship Management Platform | [GitHub](#) | [Live](#)

Jun 2025 - Aug 2025

- **Built** a secure multi-role platform (Admin, Supervisor, Student), improving workflow navigation by **30%**.
- **Delivered** core modules (project applications, verification, announcements, user management) and a real-time messaging system, **cutting manual work by 40% and communication delays by 50%**.
- **Integrated** admin utilities (Excel export, filters, review flows) and student tools for project registration & profile updates.
- **Tech Stack:** React.js · Node.js · Express.js · MongoDB · JWT Authentication · REST APIs · Axios · Socket.io

CERTIFICATES

- [From Data to Decisions : A Hands-On Approach to Data Science](#) - *Training Program*
- [Entrepreneurial Bootcamp](#) - *Certificate of Participation*

Jul 2025

Sep 2024

ACHIEVEMENTS

- [3rd Position – Entrepreneurial Bootcamp](#) Sep 2024
Awarded by LPU's E-Cell for innovative project work, receiving a special recognition from the Head of E-Cell.
- [INSPIRE-SHE Scholar \(DST, Govt. of India\)](#) Jun 2023
Received ₹1,20,000 scholarship and ₹20,000 mentorship grant under DST for academic excellence; among top 1% selected students in India.

EDUCATION

- **LOVELY PROFESSIONAL UNIVERSITY** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.06 Aug 2023 – Present
Specialization: Artificial Intelligence & Machine Learning
- **HAZI MOHD AMIN I C HARRAIYA** Basti, Uttar Pradesh
Intermediate; Percentage: 80.8 Apr 2021–Mar 2022
- **BABA BAIJNATH T SICK** Basti, Uttar Pradesh
Matriculation; Percentage: 85 Apr 2019–Mar 2020