

# Abhijeet Kumar

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## SKILLS

<b>Languages:</b>	C++, Java, C, Python
<b>Frameworks &amp; Libraries:</b>	ReactJS, NodeJS, HTML, CSS
<b>Tools/Platforms:</b>	MySQL, Supabase, Git, GitHub
<b>Soft Skills:</b>	Problem-Solving, Team Player, Leadership, Adaptability

## PROJECTS

### AI Crop Profit Optimization System | GitHub | [Link](#)

Oct' 25 – Nov' 25

- Designed an AI-driven crop profit optimization system supporting **20+ Indian crops**, leveraging **7+ soil, weather, yield, and market features** with **live government mandi price APIs** for region-aware recommendations.
- Built an end-to-end ML pipeline on **10,000+ multi-state agricultural records**, including data preprocessing, feature engineering, and hybrid ML + statistical ranking to ensure **stable, season-specific crop recommendations**.
- Implemented a transparent profit estimation engine computing **₹/hectare returns** using **quintal/hectare yield data, real-time market prices**, and **standard cost-of-cultivation benchmarks**, deployed via a **Flask web app** with **<1s response time** on **GitHub + Render**.

**Tech:** Python, Flask, Scikit-learn, Pandas, NumPy, HTML, CSS, JavaScript, Tailwind CSS

### Student Community Platform | GitHub | [Link](#)

Oct' 25 – Nov' 25

- Built a secure **full-stack community platform** using React and Supabase, enabling **authentication, profile management, post creation, likes, and comments** for **100+ concurrent users** with consistent session handling.
- Implemented **Supabase Authentication and Row Level Security (RLS)** across **5+ database operations (SELECT, INSERT, UPDATE, DELETE)** to enforce user-level data isolation, ensuring **0 unauthorized data access incidents**.
- Designed and integrated **real-time CRUD workflows** with Supabase Database and Storage, managing **JSON-based likes/comments** and profile image uploads, achieving **100% data persistence across page refreshes** and reducing state-sync bugs by **~40%**.

**Tech:** ReactJS, Supabase (Auth, Database, Storage, RLS), JavaScript, HTML, CSS

## TRAINING

### Center for Professional Enhancement LPU – C++ Programming: OOPs and DSA

Jun' 25 – Jul' 25

- Completed intensive training in core **Data Structures & Algorithms**, covering **6+ fundamental structures** (arrays, linked lists, stacks, queues, trees, graphs) through hands-on coding and mini projects.
- Solved **50+ DSA problems and mini projects**, applying data structures to real-world problem scenarios while improving **algorithmic efficiency, code clarity, and reusability**.
- Analyzed and compared **multiple solution approaches** per problem using **time and space complexity evaluation**, strengthening understanding of **performance optimization, scalability, and trade-offs**.

## CERTIFICATES

### ChatGPT Prompt Engineering | [Infosys](#) | [Springboard](#)

Aug' 25

### Master Generative AI & Generative AI tools | [Udemy](#)

Aug' 25

### Cloud Computing - NPTEL IIT Kharagpur | [NPTEL](#)

Apr' 25

## ACHIEVEMENTS

- Built and deployed real-world Machine Learning and Full-Stack projects. Jan' 26
- Solved 150+ coding problems across LeetCode & HackerRank, sharpening problem-solving skills. Nov' 25
- Successfully completed NPTEL- certified 12-week course in Cloud Computing from IIT Kharagpur. Apr' 25

## EDUCATION

### Lovely Professional University

Punjab, India

Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.31**

Aug' 23 - Present

### SR. Secondary School

Rohtas, Bihar

Intermediate; **Percentage: 66**

Mar' 21 - Apr' 22

### Utkramit M S Manjhiawn

Rohtas, Bihar

Matriculation; **Percentage: 82**

Mar' 19 - Apr' 20