

# Pooja Giri

## EDUCATION

**AKTU, Lucknow**  
BTech in Computer Science  
Engineering (AI & ML)  
Grad. 2026

**Saraswati Shishu Vidya Mandir**  
Intermediate: CBSE  
Percentage: 62%

**Saraswati Shishu Vidya Mandir**  
High School: CBSE  
Percentage: 70%

## SKILLS

Languages:  
HTML, CSS JS, React,  
Node.JS Express.JS,  
Python

Familiar Database:  
MongoDB, MySQL, Firebase

Tools:  
VScode, Canva, Git, Bootstrap

## COURSEWORK

Data Structures  
Algorithms  
Artificial Intelligence  
Machine Learning  
Discrete Mathematics  
Object-Oriented Programming  
DBMS  
Operating Systems  
Computer Networking  
Cloud Computing  
MERN Stack

## PROFILE LINKS

 HackerRank  
 Github

## PROJECTS

### Alpha – LLM-Based Smart AI Assistant

- Integrated Gemini API to process user queries.
- Supports speech recognition and natural language processing.
- Implemented voice → LLM → action pipeline to execute commands like opening apps.
- Built internal tool functions that the LLM can call to perform tasks.
- Tech Stack: Python, Gemini API, Speech Recognition ADB, MySQL.

### LeafLens - Leaf Disease Detection using CNN

- Implemented CNN-based image classification for accuracy.
- Used image preprocessing Techniques for better results.
- Provides early disease identification for crops.
- Supports smart farming and agriculture solutions.
- Tech Stack: Python.

### iNotebook – Secure Cloud-Based Notes Application (MERN Stack)

- Full-stack notes app with secure JWT authentication.
- Implemented RESTful APIs with complete CRUD operations.
- Used MongoDB Atlas for cloud database management.
- Added password hashing (bcrypt) for data security.
- Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, bcrypt.

### NewsApp – Dynamic News Aggregator

- Real-time news app with category-based filtering.
- Integrated third-party REST API for live news.
- Implemented infinite scroll for smooth UX.
- Managed state using React Hooks with responsive design.
- Tech Stack: React.js, REST API, JavaScript, CSS, Bootstrap.

### TextUtils – Smart Text Processing Tool

- Web app for text formatting and analysis.
- Added word counter, preview mode, and dark/light theme.
- Optimized rendering using React state management.
- Tech Stack: React.js, JavaScript, CSS, Bootstrap

## ACHIEVEMENTS

- Smart India Internal Hackathon 2025 - Winner. View
- Paper submitted to an international conference (under review). View
- Paper submitted to a peer-reviewed journal (under review).
- Jaipuria Quiz League 2024 - Rank 2. (Won Swags & Cash Prizes)
- AI Galaxy Treasure Hunt by Unstop - Rank 6 (Won Goodies).