





Shyam Sunder Kumar

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 Surajpur Greater Noida Uttar Pradesh

Professional Summary

- MCA graduate with strong skills in IoT, Artificial Intelligence (Generative AI, NLP, AI Agents), and full-stack development.
- Experienced in building real-world projects using ESP32, Python, and web technologies.
- Microsoft certified with a strong problem-solving mindset, seeking opportunities in AI, IoT, or software development.

Education

- Sharda University, Greater Noida (2023-2025)
Master Of Computer Applications
- Impact College, Patna(Bihar) (2020-2023)
Bachelor Of Computer Application
- Bihar School Examination Board (2018-2020)
Intermediate of Commerce

Technical Skills

- Programming: Java, C, C++, Python
- Web Technologies: HTML, CSS, JavaScript, PHP
- Database: MySQL
- AI/ML: Generative AI, NLP, AI Agents, Prompt Engineering
- Cloud: Microsoft Azure
- Tools: VS Code, GitHub, Arduino IDE

Research Publication

- Published a research paper titled “Sensor Based Smart Agriculture Monitoring System Using Web & IoT” in the 3rd International Conference on Artificial Intelligence, Machine Learning and Cybersecurity (2025).
- Designed and developed an IoT-based smart agriculture system using ESP32, soil moisture sensor, and DHT11 for real-time monitoring.
- Implemented automated irrigation control and web-based dashboard for remote monitoring and decision-making.

AI Learning & Achievements

- Completed multiple Microsoft Learn certifications in Generative AI, NLP, and AI Agents.
- Gained practical knowledge of prompt engineering, AI tools, and model optimization.

Soft Skills

- Communication, Teamwork, Leadership, Problem-Solving, Time Management.

Languages

- English, Hindi.

Hobbies And Interests

- Learning Something New, Listening Music, Exploring new places, Traveling.

Projects

SYRA AI Assistant (AI Voice Assistant Project)

- Building an AI-powered voice assistant with wake-word activation ("HEY SYRA") and real-time interaction.
- Implementing speech recognition, text-to-speech, and fast local command execution for improved performance.
- Designed for real-time system control and automation using voice commands.
- Integrating OpenAI API for intelligent conversational responses and task automation.
- Demonstrating strong interest in Artificial Intelligence and real-time system development through hands-on projects.

Technologies: Python, OpenAI API, Speech Recognition, pytsx3.

Sensor-Based Smart Agriculture Monitoring System (Published Research Project)

MCA Final Year Project

- Developed an IoT-based agriculture monitoring system to track real-time environmental conditions like temperature, humidity, and soil moisture.
- Integrated sensors with microcontroller using C++ for data collection.
- Designed a web-based dashboard using PHP and MySQL to display and monitor live data.
- Enabled real-time remote monitoring, improving decision-making efficiency for farmers.

Technologies: C++, PHP, MySQL, IoT Sensors, Arduino IDE.

Bluetooth Controlled Car (ESP32-Based IoT Project)

- Developed a Bluetooth-controlled car using ESP32 for wireless navigation.
- Integrated motor driver (L293D) to control movement (forward, backward, left, right).
- Implemented features like headlights, backlights, horn, and hazard lights for enhanced functionality.
- Enabled real-time control through a mobile application via Bluetooth connectivity.

Technologies: ESP32, C++, Bluetooth, Arduino IDE.

Hotel Management System (Java-Based Application)

BCA Final Year Project

- Developed a Java-based application to manage hotel operations including room booking, check-in, and check-out.
- Implemented features to track room availability, customer details, and reservation status.
- Integrated MySQL database to store and manage customer and booking data efficiently.
- Designed modules for registration, billing, and room allocation.

Technologies: Java, MySQL.

Certifications

- Microsoft Learn Certifications: Generative AI, AI Agents, Natural Language Processing (NLP), Azure AI Solutions (April 2026)
- Artificial Intelligence Beginner's Guide – Simplilearn (April 2026)
- Java Assessment – LearnTube
- Project Management Assessment – LearnTube
- C Programming Basics – Simplilearn
- Secondary Teacher Eligibility Test (STET-BSEB)