

SUMIT KUMAR

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Summary

Motivated Computer Science MCA student with strong expertise in full-stack web development and machine learning. Skilled at designing responsive, scalable applications using React, Node.js, Flask, and MongoDB. Proficient in building RESTful APIs, managing databases, and creating intuitive front-end interfaces that enhance user experience. Strong problem-solving, collaboration, and analytical skills, committed to delivering efficient, maintainable, and data-driven solutions.

Accomplishments

- Delivered a workshop on “**Machine Learning Roadmap**” at Xavier Coding Club, demonstrating communication and teaching skills.
- Co-hosted a session on **Phishing Attacks & Cybersecurity Awareness**, improving cybersecurity knowledge among participants.
- Co-hosted a **LinkedIn Profile Building Workshop** to guide peers in professional networking.

Skills

Programming & Querying: Python, C, SQL, SQLite

Frameworks & Libraries: React.js, Node.js, Express.js, Flask

Machine Learning & AI: TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib

Tools & Platforms: Git, VS Code, Jupyter Notebook, API Integration

Soft Skills: Problem-Solving, Team Collaboration, Communication, Analytical Thinking, Adaptability

Experience

Python Intern

OctaNet Services (Remote)

Jan 2024 – Mar 2024

Certificate of Completion – Python Project Internship

- Engineered and debugged Python automation scripts, improving process efficiency by 30%.
- Created modular Python programs to automate repetitive workflows, saving 5+ hours weekly.
- Enhanced code reliability and performance through clean coding practices.
- Collaborated with mentors to deploy and test small-scale automation tools.

Machine Learning Intern

CodeAlpha (Remote)

Mar 2024 – Jun 2024

Certificate of Internship

- Built and evaluated ML models on real-world datasets, improving model accuracy by 15%.
- Performed data preprocessing, feature extraction, and model validation.
- Integrated trained models into Flask-based web applications, reducing processing time by 20%.
- Documented experiments and contributed to team reviews to ensure reproducibility.

Projects

AI Transcript Generator | *Next.js, Tailwind CSS, Prisma (SQLite), API Routes*

- Designed an AI-powered web app converting audio into structured transcripts using advanced speech-to-text APIs.
- Implemented backend using **Next.js 15+**, **Prisma ORM**, and **SQLite** for efficient data management.
- Developed a responsive UI with Tailwind CSS and integrated dynamic API routes for smooth model interaction.
- Optimized export functionality and API response times to improve user experience.

Awards & Certifications

- Internship Certificate – Younity
- Python Project Certificate – OctaNet Services
- Machine Learning Internship Certificate – Code Alpha (Mar 2024 – Jun 2024)

Education

Master of Computer Applications (MCA) – Computer Science
Kalinga Institute of Industrial Technology, Bhubaneswar

Expected Apr 2027

Bachelor of Computer Applications (BCA) – Computer Science
St. Xavier's College of Management & Technology, Patna

May 2025