SUMIT KUMAR

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— 🌐 Portfolio

Summary

Motivated Computer Science student pursuing an MCA with a strong academic foundation. Proficient in building responsive and scalable web applications using React, Node.js, Flask, and MongoDB. Experienced in designing RESTful APIs, managing databases, and crafting intuitive front-end interfaces to enhance user experience. Dedicated to applying software engineering principles and data-driven methodologies to deliver efficient, reliable, and maintainable solutions.

Accomplishments

- Delivered a workshop on **"Machine Learning Roadmap"** at Xavier Coding Club.
- Co-hosted a session on **Phishing Attacks & Cybersecurity Awareness**.
- Co-hosted a **LinkedIn Profile Building Workshop**.

Skills

Programming & Querying: SQL, SQLite, Python, C
Frameworks & Libraries: Flask, React.js, Node.js, Express.js
AI/ML Tools: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow

Experience

Python Intern   Jan 2024 – Mar 2024
OctaNet Services (Remote)   *Certificate of Completion – Python Project Internship*

- Engineered and debugged Python automation scripts, increasing process efficiency by 30%.
- Created modular Python programs to automate repetitive workflows, saving 5+ hours weekly.
- Improved code reliability and performance by following clean coding standards.
- Collaborated with mentors to deploy and evaluate small-scale Python automation tools.

Machine Learning Intern   Mar 2024 – Jun 2024
CodeAlpha (Remote)   *Certificate of Internship*

- Built machine learning models for 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 peer reviews to ensure reproducibility.

Projects

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

- Designed an AI-powered web application that converts audio into structured transcripts using advanced speech-to-text APIs.
- Implemented backend architecture with **Next.js 15+**, **Prisma ORM**, and **SQLite** for efficient data handling.
- Developed a responsive UI with Tailwind CSS and integrated dynamic API routes for seamless model interaction.
- Optimized export functionality and API response times to enhance 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   Expected Apr 2027
Kalinga Institute of Industrial Technology, Bhubaneswar

Bachelor of Computer Applications (BCA) – Computer Science   May 2025
St. Xavier's College of Management & Technology, Patna