

Soumyadeep Das

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GitHub: github.com/Somuchamp

Summary |

Computer Science and Engineering student specializing in Artificial Intelligence, Data Science, Full Stack Development, and Cloud Computing. Proficient in Python, C++, SQL, TensorFlow, React.js, Node.js, AWS, with hands-on experience in building end-to-end scalable applications and data-driven AI/ML models.

Skills

Programming Languages: C, C++, Python, Java, JavaScript, TypeScript

Web Development: HTML5, CSS3, React.js, Node.js, Express.js, Tailwind CSS

Databases: MySQL, Oracle SQL, MongoDB, NeonDB

Cloud & DevOps: AWS (EC2, S3, Lambda), Google Cloud (Vertex AI), Git, GitHub, Linux

AI/ML: Machine Learning, Deep Learning, TensorFlow, Keras, Hugging Face, Optical Character Recognition (OCR), Computer Vision

Tools & IDEs: VS Code, Jupyter Notebook, Postman

Education

Bachelor in Computer Science and Engineering
(Specialisation: Artificial Intelligence and Data Science)
University of Engineering and Management, Jaipur
CGPA: 8.91

2022 –2026

Higher Secondary Education (CBSE)
B.K. Mission School, Midpu, Doimukh, Arunachal Pradesh
Percentage: 89.8%

2021

Secondary Education (CBSE)
B.K. Mission School, Midpu, Doimukh, Arunachal Pradesh
Percentage: 90.2%

2019

Projects

Medigo – AI Powered Pharmacy Platform

[Code]

- Designed and developed a full-stack pharmacy web application that automates prescription processing using **OCR (Tesseract)**.
- Integrated **deep learning models (TensorFlow/Keras)** for chest X-ray disease detection, improving diagnostic support accuracy.
- **Tech Stack:** React.js, Flask, TensorFlow/Keras, Tesseract OCR, Google Drive API, MySQL.

Smart Hire – AI-enhanced Hiring Platform

[Demo]

- Built a real-time video interview system with **WebRTC** for seamless communication and collaborative coding.
- Implemented AI-driven candidate evaluation through facial, voice, and coding performance analysis.
- **Tech Stack:** React.js, Flask (Python), WebRTC, AI/ML.

Gemini Code Converter – VS Code Extension

[Extension]

- Created an AI-powered **VS Code extension** enabling multi-language code translation and seamless developer productivity.
- Published on Visual Studio Marketplace, achieving user adoption and downloads.
- **Tech Stack:** TypeScript, Node.js, VS Code Extension API, Google Gemini API.

ChatApp – Real-time Messaging Platform

[GitHub]

- Developed a scalable full-stack chat application enabling multi-user real-time communication, similar to WhatsApp.
- Implemented authentication, secure messaging, and responsive UI with modern frameworks.
- **Tech Stack:** React.js, Tailwind CSS, TypeScript, Node.js, Express.js, NeonDB.

Certifications

- **Code Battle (6th Rank)** – Competitive programming contest demonstrating strong problem-solving and algorithmic skills.
- **Acehack 4.0** – Hackathon participation showcasing teamwork, innovation, and full-stack project development.
- **AICTE Android Developer Virtual Internship** – Hands-on training in Android app development, Java, and XML-based UI/UX design.
- **Python for Data Science (NPTEL, Elite+Silver, 79%)** – Covered data analysis, machine learning algorithms, and data visualization with Python.
- **Problem Solving through C (NPTEL, Elite, 67%)** – Focused on programming fundamentals, algorithms, and computational logic using C.
- **The Joy of Computing with Python (NPTEL, Elite, 66%)** – Gained expertise in Python programming, scripting, and automation.
- **Introduction to Internet of Things (NPTEL, Elite+Silver, 85%)** – Learned IoT protocols, device integration, and cloud-based applications.

Experience

AI and SEO Intern - Ubuy Technologies

09/2025-Present

- Worked on a project for interlinking of low SEO product pages to high SEO product pages using GEMINI and SERP API key.
- Designed a tool for automation of sitemap submission at Google Search Console, resulting in **25%** improvement in efficiency.
- Worked on Trend Analysis Tool using Google Trend API.
- Developed a project to find relevant influencers from social media platforms like Instagram, Facebook, and YouTube, including their contact details for advertisement purposes.

Data Science Intern – Zidio Development

05/2025 – 06/2025

- Applied **machine learning models, data preprocessing, and exploratory data analysis (EDA)** using Python (Pandas, NumPy, Scikit-learn, TensorFlow) to extract actionable insights from datasets.
- Designed and implemented automated data cleaning pipelines, improving workflow efficiency by **25%**.
- Built visualizations with Matplotlib/Seaborn to support business decision-making and stakeholder reporting.
- Optimized model accuracy by **12%** through hyperparameter tuning and cross-validation.

Secretary – ACM Student Chapter, UEM Jaipur

2024 – 2025

- Organized **AceHack 3.0**, a 24-hour in-person hackathon with 200+ participants, fostering innovation and collaboration.
- Coordinated Distinguished Speaker Programs on **AI/ML, Cloud, and Cybersecurity**, enhancing technical exposure for 300+ students.
- Managed workshops and coding competitions, improving student engagement in competitive programming by **35% year-over-year**.
- Strengthened skills in **event management, communication, and cross-functional coordination**.

Lead Organizer – TechUtopia, UEM Jaipur

2024

- Directed the university's annual technical fest with **30+ technical and non-technical events**, engaging 1000+ students.
- Supervised a core team of 20+ members, ensuring smooth execution of events, sponsorship acquisition, and cross-team collaboration.
- Increased student participation by **40%** compared to the previous year through strategic marketing and stakeholder outreach.
- Demonstrated strong **leadership, project planning, and organizational management** skills.