

SIDDHARTHA SRIVASTAVA

Noida, India

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PROFILE

AI/ML Engineer focused on building impactful, reliable, and scalable intelligent systems. Combines strong problem-solving ability with a deep understanding of data and model-driven development. Driven by curiosity, execution excellence, and a commitment to continuous learning and innovation.

EDUCATION

Amity University, Noida, India

Bachelor of Technology, Computer Science and Engineering

Expected Graduation: July 2025

WORK EXPERIENCE

Open Health Systems Laboratory (OHSL)

Research Intern

May 2024 – July 2024

- Researched and developed digital twin models for brain tumours, focusing on simulating tumour growth and predicting patient-specific treatment outcomes.
- Applied machine learning techniques to integrate multi-modal data, including medical imaging, genomics, and clinical records, into adaptive simulation frameworks.
- Contributed to the design of predictive algorithms aimed at improving diagnostic accuracy and optimising therapeutic interventions.
- Collaborated with senior researchers to validate models using real-world clinical datasets, ensuring alignment with translational research goals.
- Gained hands-on experience in scientific computing, reproducible research practices, and the application of AI in precision medicine.

Certificate: [View on LinkedIn](#)

PROJECTS

- **Cross-Language Voice Cloning** github.com/sid-2209/lang-x
I developed a deep learning system to clone voices across multiple languages using Tacotron 2 and WaveNet, trained on VCTK and Mozilla Common Voice datasets. The pipeline incorporates speaker embeddings and language controls, achieving high-quality speech synthesis for virtual assistants and accessibility tools. Evaluation was done using MOS and WER metrics.
- **CRUD Application** [Live Demo](#)
Developed a CRUD application allowing users to create, read, update, and delete posts with a clean, responsive interface. Features a dark-themed UI with real-time post management and edit/delete options.
- **Job-Bridge (AI-Powered Job Board Matching System)**
I built an AI-driven job matching platform that uses NLP and intelligent document processing for automated resume parsing. The system scores candidate-job compatibility to provide personalized job recommendations, streamlining the hiring process.
- **AI-Powered Interview Prep Assistant** A smart assistant concept designed to simulate interview questions and evaluate candidate responses using large language models (LLMs).
- **User Management App** A full-stack user management system with role-based access, authentication, and secure profile editing features.

TECHNICAL SKILLS and CERTIFICATES

Programming Languages: Python, C++, JavaScript, SQL

Frameworks & Tools: TensorFlow, PyTorch, Keras, Scikit-learn, Docker, Jupyter

Databases: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Cassandra)

Version Control & DevOps: Git, CI/CD, Kubernetes, REST APIs

Data Analysis: Pandas, NumPy, Matplotlib

CERTIFICATIONS: Mathematics for Machine Learning Specialization (Imperial College London), Complete Python Bootcamp (Udemy)

ACHIEVEMENTS

Published a thriller novel – *Despote Love*. Guest Speaker at IIM Kashipur.