

ABHIGYAN SRIVASTAV

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Skills

Java | Python | JavaScript | MongoDB | ExpressJs | ReactJs | NodeJs | Git | MySql | AWS | Firebase | DSA



Professional Experience

01/2025 – 02/2025	Microsoft & SAP (AICTE Internship) <i>AI Intern</i> <ul style="list-style-type: none">Gained hands-on experience with image generation using Stable Diffusion and ComfyUI during this 4-week AI and machine learning internship.Explored the architecture and applications of Convolutional Neural Networks (CNNs), including upsampling, feature extraction, and image processing.Studied the working principles of diffusion models, focusing on noise reduction, latent space transformations, and iterative refinement.
11/2023 – 07/2024	Ricitech <i>Software Developer</i> <ul style="list-style-type: none">Built web and native mobile applications using React.js, Node.js, Express.js, and Native Android.Integrated biometric authentication and implemented RBAC with JWT for secure access control.Performed cold data migration from a legacy NoSQL database to a new MongoDB server, ensuring data integrity and consistency.Improved backend services for payment processing and related system integrations.
08/2023 – 09/2023	CodeClause <i>Web Development Intern</i> <ul style="list-style-type: none">Built web applications using the MERN stack.Integrated Firebase services like Firestore Database for real-time data storage.Gained hands-on experience with front-end and back-end development.Worked on small projects to improve coding skills and understand best practices.Learned about deploying and managing web applications.

Education

09/2024 – Present	Amity University <i>Masters in computer application</i>
09/2020 – 07/2023	Gossner College <i>Bachelors in computer application</i> <ul style="list-style-type: none">CGPA: 8.95

Projects

TaxMan: GenAI-Powered Tax Filing Assistant 
<ul style="list-style-type: none">Built a conversational assistant using Gemini, LangChain, LangGraph, and ChromaDB to guide users through tax filing via natural language.Implemented Function Calling, RAG, and Agents to parse user inputs, apply deductions, and retrieve provisions from official income tax law documents.Used Google GenAI Embeddings to convert legal text into vectors stored in ChromaDB, enabling accurate, NLP-based retrieval and grounded tax computation.
Natural Language to SQL Translator – Fine-Tuned LLaMA-3 
<ul style="list-style-type: none">Fine-tuned LLaMA-3 to convert natural language queries into SQL using LoRA adapters (via Unsloth) and the GretelAI Text-to-SQL dataset, formatted in Alpaca-style instructions.Exported the model to GGUF for optimized local inference via llama.cpp, for interactive querying using Ollama.Trained on Colab GPU, published to Hugging Face Hub for public use and reproducibility.
Smart Attendance System
<ul style="list-style-type: none">Developed an AI-based automated attendance system using face_recognition (dlib) and OpenCV, achieving 95% accuracy for automated attendance logging in intial testing.Built a full-stack MVP with Flask backend (hosted via Google Colab + ngrok) and React.js + Material UI frontend for interaction.Implemented a custom student dataset for facial recognition and automated attendance logging.

Awards

01/2025	Institution's Innovation Council (IIC) Hackathon 2025 <i>Amity University,IIC</i> <ul style="list-style-type: none">Winner of IIC Hackathon 2025 organized by Amity University Jharkhand.
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Languages

English	<div><div></div><div></div><div></div><div></div><div></div></div>	Hindi	<div><div></div><div></div><div></div><div></div><div></div></div>
French	<div><div></div><div></div><div></div><div></div><div></div></div>		