

Ojasv Singhal

CONTACT

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PROFESSIONAL EXPERIENCE	ML Engineer and Co-founder	Aug 2024 – April 2025
	<div>Xander.co</div> <div>Co-Founded a ML startup, Xander. Had the responsibility to manage the entire team and also as a machine learning engineer.</div> <div>Linkedin: https://www.linkedin.com/company/xander-corp01</div>	
	AI Intern	May 2024 – Aug 2024
	<div>BuildFastWithAI</div> <div><ul style="list-style-type: none">Assisted in creating AI Applications using AI agents, APIs and Langchain.Implemented RAG using Langchain, Vector Stores and other technologies.Supported the creation of Educhain: https://www.educhain.in/</div>	

EDUCATION	Maharaja Agrasen Institute of Technology 2022–2026
	<div>BTech AI and ML</div> <div>CGPA: 8.922</div>
	Indian Institute of Technology, Madras 2022–2026 (Credit Completion in Aug 2025)
	<div>Bachelor of Science(BS) in Data Science and Applications</div> <div><ul style="list-style-type: none">CGPA: 9.22Minor in Finance</div>
	St. Xavier’s School, Delhi 2010–2022
	<div>High School Diploma</div> <div><ul style="list-style-type: none">Physics, Chemistry, Mathematics, Computer Science, English12th – 90.8%10th – 92.8%</div>

SKILLS	<div><ul style="list-style-type: none">Programming Languages: Python, Java, C, JavaScript, HTML, CSS, BashData & Analytics: MS Excel, SQL(MySQL, PostgreSQL, SQLite), Data Analysis, Data Engineering, Data Science, Data AnalyticsMachine Learning & AI: Machine Learning, Deep Learning, Neural Networks, Natural Language Processing (NLP), Artificial Intelligence, Computer Vision, MLOps, LLMOpsTools & Frameworks: Flask, Unreal Engine, Tableau, REST APIMathematics & Modeling: Statistics, Statistical Modeling, Mathematics, AlgorithmsSoftware & Platforms: MATLAB, DBMS (Database Management Systems)Web Development: HTML, CSS, JavaScript, Vue.js, Node.js, React.jsOthers: Data Structures, Computer Networks, SDLC</div>
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PROJECTS

- **Image/Text to 3D Model Generator:** Built a web app using OpenAI's Shap-E in Jupyter Notebook to convert images and text into 3D models (.obj/.stl).
- **Decentralized Voting on Ethereum:** Developed a blockchain-based voting system using JavaScript and Ethereum smart contracts.
- **DL Models Suite:** Implemented deep learning models for text, vision, and speech tasks using Python and Jupyter.
- **GenAI LMS:** Created a Generative AI-integrated Learning Management System with Vue.js, Flask, and Gemini for Python education.
- **Langchain Question Generator:** Developed a RAG app using Langchain and LLaMA 2 to auto-generate Q&A from PDF documents.
- **Legal Assistant:** Built a JavaScript-based tool for assisting with legal document review and automated Q&A.
- **RAG Document System:** A Retrieval-Augmented Generation system for querying PDF documents using AI. Upload PDFs, build a searchable knowledge base, and ask questions to get AI-generated answers with source citations. Integrated with PyTest for comprehensive testing.
- **Custom Object Detection:** Provides an implementation for training and evaluating a custom object detection model using the Pascal VOC 2007 dataset. It leverages PyTorch and torchvision libraries to build and train a YOLO-based neural network architecture.
- **Grocery Store web app:** Built a grocery store application using vue.js for the frontend and Flask+sqlite for the backend.