

UTKARSH JHA

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SKILLS

- Python, Core Java (Spring Boot), C++, HTML, CSS, JavaScript, SQL, Lang Chain, React.js, Node.js, LLM, NLP, IBM Cloud
- Operating Systems, Database Management System, Data Structures, Machine Learning, OOPs, ESG Rating Interpretation

WORK EXPERIENCE / INTERNSHIPS

Gadiel Technologies Pvt. Ltd: *Data & AI Engineer*

01/2025 – Present

- Collaborating with Wave Infratech (The Wave Group) to implement IBM Watson solutions, focusing on enterprise-grade AI deployment using Watsonx.ai and Watsonx.data to solve real business challenges.
- Developed an AI-powered CRM Analytics chat-bot for Wave Group using Streamlit and IBM WatsonX, enabling natural language querying, dynamic funnel visualizations, and real-time insights from Salesforce data across leads, opportunities, and geography-wise metrics.
- Architected project milestone reporting for Wave Infratech using IBM Watsonx.ai by converting Excel-based trackers into AI-driven KRA reports, building an end-to-end pipeline from COS data ingestion to logic automation, and developing an AI agent for real-time insights through natural language queries.
- Leading AI architecture and integration efforts as a Data & AI Engineer, working alongside Python developers to embed AI models into existing systems for scalable, high-performance solutions.

Act21 Software Pvt. Ltd: *Software Engineer Trainee*

09/2022 – 03/2023

- Created standalone as well as web applications like Actico Modeler for the delivery of process models for BFSI verticals (HDFC, Kotak, Bajaj), credit risk management, and business rule management by working on Java with Spring Boot and Actico products.
- Collaborated with other members of the engineering team to review code and suggest improvements.
- Developed code for software applications using Actico, SQL and Core Java programming languages.

PROJECTS

AI Meeting Assistant

- Python | Streamlit | IBM Granite ASR | IBM Granite 3.3 | Hugging Face | FFmpeg | SMTP | Jira REST API | PDF Generation | NLP | ASR
- Developed using *IBM Granite ASR* for transcription and *Granite 3.3 on watsonx.ai* for summarization and action item extraction.
 - Generates *PDF Minutes of Meeting* and sends *email summaries via SMTP* to all participants.
 - Creates and assigns *Jira tasks using the Jira REST API* to ensure follow-up and accountability.

OCR Chat-Bot

- Python | Streamlit | EasyOCR | TrOCR | Llama 4 Maverick | OpenCV | React.js | CSS | Deskew
- Built an OCR app allowing users to upload handwritten images; preprocessing (deskew/denoise) improved OCR accuracy from 68%.
 - Fine-tuned TrOCR on domain data and used Llama 4 Maverick to structure extracted text, reducing manual cleanup by 80%.

AI Doodle Studio

- HTML | CSS | JavaScript | Conceptual AI | WebGL | SQL | Canvas API
- Developed **AI Doodle Studio**, a responsive web-based drawing app with real-time AI-inspired visual effects using Canvas API and JavaScript.
 - Engineered custom transformations like kaleidoscope, neon glow, and symmetry with shader-like logic.

EDUCATION

Guru Gobind Singh Indraprastha University || Delhi, IN – **8.4 CGPA**

Bachelor of Technology- Computer Science Engineering

Relevant Coursework: Applied Mathematics-I, Applied Mathematics-II, Introduction to Programming, Foundation of Computer Science, Switching Theory and Logic Design, Computer Organisation Architecture, Theory of Computation, Database Management Systems, Data Structures

CERTIFICATIONS AND ACHIEVEMENTS

- Data Science Professional Certificate, IBM 2024
- Software Engineering Virtual Experience, JP Morgan Chase & Co 2022