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: *Lead Engineer (Data & AI)*   **01/2025 – Present**

- Collaboration with **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.
- Leading a cross-functional team of developers to design and implement enterprise-grade automation solutions using IBM **watsonx orchestrate**, **watsonx.ai**, **watsonx.data** and IBM's Data & AI products, improving operational efficiency across Finance, CRM, and project management divisions.
- Architected project milestone reporting for Wave Infratech using **Python libraries** and **Watson's LLM** by converting Excel-based trackers into **AI**-driven KRA reports, building an end-to-end pipeline from **Cloud Object Storage** data ingestion to logic automation, and developing an **AI agent** for **real-time insights** through natural language queries.
- Architecting AI-driven **agentic workflows** and **custom skills** integrated with **Salesforce**, **SAP**, **IBM Cloud Object Storage**, and enterprise data pipelines, enabling automated report generation, intelligent data filtering, and conversational analytics for real-time decision-making.

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/documents; preprocessing (deskew/denoise) improved OCR accuracy from 78%.
- 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, INDIA – **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

- Prompting Essentials, Google   2025
- Data Science Professional Certificate, IBM   2024
- Software Engineering Virtual Experience, JP Morgan Chase & Co   2022