

# AKSHAY KUMAR S

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## SUMMARY

AI & Data Science Engineer with a unique focus on GPT-based workflows, AI-driven product design, and real-time interaction systems. Experienced in building and deploying intelligent applications using OpenAI, Hugging Face, Supabase, and MediaPipe. Skilled in structured prompt engineering, educational AI use cases, and creating multilingual learning experiences. Proven ability to conceptualize, prototype, and deliver AI solutions rapidly using agent-based tools.

## EDUCATION

Bachelor of Engineering in Artificial Intelligence & Data Science  
East Point College of Engineering and Technology, Bangalore  
December 2021 – June 2025

## SKILLS

Prompt Engineering & AI Workflow Design:

- Designed GPT agent-based workflows to automate coding, analysis, and testing.
- Developed structured prompts for summarization, task-chaining, and dialogue flows.
- Applied few-shot, zero-shot, and chain-of-thought prompting techniques.
- Focused on inclusive education using multilingual and accessible AI agents.

AI & Machine Learning:

- NLP: Sentiment Analysis, Personality Prediction using Python & Transformers
- Computer Vision: Emotion-aware systems via MediaPipe and real-time video
- Model Deployment: IBM Watson, Hugging Face, Streamlit
- AI Agent Thinking: Tool selection, task delegation, autonomous pipelines

Tools & Platforms:

- OpenAI GPT, Hugging Face, Groq, Firebase, Supabase, Salesforce
- Unreal Engine + MetaHuman (3D AI avatars)
- Power BI, Excel, SQL
- Serverless Functions, WebSockets

Programming & Web:

- Python (Intermediate), SQL (Intermediate), Java (Basics), JavaScript (Basics)
- HTML, CSS, GitHub, Terminal, VS Code

## INTERSHIP EXPERIENCE

Salesforce Developer Internship (October 2023 – November 2023)

- Built applications using Apex, LWC, and integrated Salesforce APIs.
- Implemented automation flows and optimized security configurations.

NSDC-VTU Cloud Computing Internship (November 2024 – February 2025)

- Learned cloud architecture (IaaS, PaaS, SaaS) and DevOps practices.
- Deployed scalable infrastructure and serverless solutions.

## PROJECTS

Humanized 3D AI Companion (Ongoing – Powered by Three.js)

- Built a web-based 3D AI avatar system using Three.js for real-time rendering and speech interaction.
- Replaced Unreal Engine + MetaHuman with a lightweight Three.js stack for smoother performance and scalability.
- Integrated emotion-aware GPT agents and memory using Supabase for adaptive personalization.
- Designed for teaching, storytelling, and emotional assistance across devices.
- Experimented with LangChain and MCP workflow models to improve contextual handling and memory management.

Personality Detection Using AI & ML

- Built an NLP-based personality prediction tool using social media data.
- Used sentiment analysis, keyword extraction, and classification techniques.
- Aimed at improving personalization and targeted communication.

Blockchain-Based Chat Application

- Developed a secure, decentralized chat system using JavaScript, Solidity, and Ethereum.
- Enabled tamper-proof communication via smart contracts and end-to-end encryption.

## ADDITIONAL INFORMATION

Languages: English, Hindi, Telugu, Kannada, Tamil

Certifications:

- Salesforce Developer
- Data Analytics and Visualization – Accenture
- Data Science 101 – IBM