

# GAUTAM KUMAR (MANAK)

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## Education

**Dewan V S Institute of Engineering and Technology**

*Bachelor of Technology in Computer Science*

**09/2020 – 08/2024**

*Meerut, Uttar Pradesh*

## Experience

**Fetch.ai**

**11/2023 – Present**

*Developer Advocate*

*Remote*

- Spearheaded 100+ hackathons, workshops, and events across Indian colleges and corporate offices, driving innovation and community engagement using MERN stack, Python, and Fetch.ai's uAgent technology.
- Managed Fetch.ai Innovation Lab website development, designed AI agents, and handled Discord channels to resolve technical queries, enhancing user experience and support. Deployed AI agents on GCP using Docker, handled Fetch.ai Innovation Lab resource documentation, and built modules for uAgent integration.
- Led marketing campaigns, organized educational workshops, and developed uAgent technology, boosting brand visibility and tech adoption within the developer community.

**KloudiDev Digital Solutions**

**10/2023 – Present**

*Full Stack Engineer*

*Remote*

- Developed two innovative products as a Full Stack MERN Engineer, emphasizing clean code, scalability, and high-quality implementation.
- Collaborated with UX/UI designers to create responsive, visually appealing interfaces using Tailwind CSS, improving user engagement.

**ICHS International**

**08/2022 – 12/2022**

*Front End Developer Intern*

*Sector 142 Noida, UP*

- Developed the front end for a Merchant Navy CRM Website using HTML, CSS, and JavaScript, improving user experience and increasing customer engagement by 40%.

## MCP Projects

**Software Developer MCP Client Agent** | *Python, uAgents, MCP, SSE, React, Next.js, Tailwind CSS*

**GitHub**

- Developed a uAgents-based tool connecting to Model Context Protocol (MCP) servers via Server-Sent Events, providing chat interface for seamless interaction with Software Developer Team MCP server.
- Integrated with Flowise and Activepieces tools, supporting both natural language and structured commands for efficient MCP server connection and task execution.

**uAgent-A2A-Adapter** | *Python, PyPI Package, A2A Systems, Multi-Agent Coordination*

**PyPI**

- Published comprehensive Python module for integrating A2A (Agent-to-Agent) systems with uAgents, enabling intelligent multi-agent coordination and communication.

**ASI1-MCP-CLI** | *Python, CLI, MCP Servers, Natural Language Processing*

**PyPI**

- Built powerful CLI for interacting with ASI:One LLM and Model Context Protocol servers using natural language queries, eliminating the need for JSON configuration.

## AI Agent Projects

**RAG Chat Agent** | *Python, Agno RAG, uAgent, OpenAI GPT-4o-mini, PgVector, PostgreSQL*

**GitHub**

- Developed sophisticated Retrieval-Augmented Generation chat agent combining Agno RAG with uAgent's distributed protocol, processing PDF documents and creating intelligent embeddings.
- Implemented hybrid search combining semantic and keyword search for superior accuracy, with real-time processing and comprehensive logging for monitoring.

**Discussion Team Agent** | *Python, HackerNews API, Academic APIs, Twitter API, Multi-Agent System*

**GitHub**

- Created intelligent agent system gathering insights from HackerNews technical discussions, academic research papers, and Twitter trending conversations for holistic topic analysis.

<b>Gmail-ASI-Agent</b>   <i>Python, uAgents, Composio SDK, OpenAI GPT-4o-mini, Gmail API</i> <ul style="list-style-type: none"> <li>Built intelligent Gmail assistant powered by uAgents framework and Composio SDK, performing email operations from reading content to managing contacts and spam handling.</li> <li>Deployed on AgentVerse with dynamic authentication, processing natural language queries and delivering GPT-refined responses for enhanced user experience.</li> </ul>	<a href="#">GitHub</a>
<b>Shopping Partner Agent</b>   <i>Python, AI Product Recommendation, E-commerce Integration, uAgents</i> <ul style="list-style-type: none"> <li>Developed AI-powered product recommender searching trusted e-commerce websites and verifying product availability based on user preferences.</li> </ul>	<a href="#">GitHub</a>
<b>Blood Report Analysis Agent</b>   <i>Python, CrewAI, uAgents Adapter, Google Drive API, Health Analysis</i> <ul style="list-style-type: none"> <li>Created intelligent agent analyzing blood test reports from PDF files hosted on Google Drive, delivering comprehensive health summaries and tailored recommendations.</li> </ul>	<a href="#">GitHub</a>
<b>GitHub Agent</b>   <i>Python, Fetch.ai SDK, REST APIs, GitHub API</i> <ul style="list-style-type: none"> <li>Automated GitHub repository management by retrieving detailed information, creating issues, and comparing repositories, streamlining workflows and boosting developer productivity.</li> </ul>	<a href="#">GitHub</a>
<b>AI-Agents</b>   <i>Python, Fetch.ai SDK, uAgent, Agentverse, DeltaV</i> <ul style="list-style-type: none"> <li>Developed a collection of AI agents to perform tasks like job listing searches, hackathon/event details, professional profile recommendations, and vehicle challan retrieval.</li> </ul>	<a href="#">GitHub</a>
<b>Twitter Agent</b>   <i>Python, Fetch.ai SDK, Twitter API, REST APIs</i> <ul style="list-style-type: none"> <li>Automated AI-generated tweet posting using Fetch.ai SDK and Twitter API, enabling seamless agent-to-agent communication for content generation and posting.</li> </ul>	<a href="#">GitHub</a>
<b>uAgent-Google ADK Integration</b>   <i>Python, Fetch.ai SDK, Google ADK, REST APIs</i> <ul style="list-style-type: none"> <li>Integrated uAgents with Google ADK to enable decentralized AI agents to communicate with conversational AI, demonstrated through a cryptocurrency bot for real-time data fetching.</li> </ul>	<a href="#">Medium</a>
<b>Full Stack Projects</b>	
<b>CareerPilot – Smart Career Companion</b>   <i>Next.js, Azure AI, Cosmos DB, Tailwind CSS, GitHub Actions</i> <ul style="list-style-type: none"> <li>Built intelligent job-hunting platform with ATS-compliant resume scoring, personalized job recommendations, AI-powered mock interviews, and custom resume building.</li> <li>Implemented skill gap analysis and learning path guidance, optimizing job-seeker profiles for enhanced career development and job matching accuracy.</li> </ul>	<a href="#">GitHub</a>
<b>AI Thumbnail Generator</b>   <i>MERN Stack, AI Integration, MongoDB, Express.js, React.js, Node.js</i> <ul style="list-style-type: none"> <li>Developed full-stack web application for creating AI-generated thumbnails using MERN stack, integrating advanced AI capabilities for automated thumbnail generation.</li> </ul>	<a href="#">Live Demo</a>
<b>Tamar Software Website</b>   <i>Next.js, Tailwind CSS, TypeScript, Responsive Design</i> <ul style="list-style-type: none"> <li>Built professional company website using Next.js and Tailwind CSS, featuring responsive design, modern UI/UX, and optimized performance for business presentation.</li> </ul>	<a href="#">Live Demo</a>
<b>GradPathAI</b>   <i>React.js, Fetch.ai SDK, Firebase, Tailwind CSS</i> <ul style="list-style-type: none"> <li>Built an AI-powered platform to guide students and graduates with personalized career advice, resume analysis, job search assistance, and mentorship, leveraging Fetch.ai technology.</li> </ul>	<a href="#">GitHub</a>
<b>MonkHood</b>   <i>React.js, Firebase, JavaScript, Tailwind CSS, GCP</i> <ul style="list-style-type: none"> <li>Developed a platform for creating, editing, and deleting events, appointments, and tasks, with collaboration features and metrics to enhance productivity and work-life balance.</li> </ul>	<a href="#">GitHub</a>
<b>E-Commerce Website</b>   <i>JavaScript, React.js, CSS, JSON</i> <ul style="list-style-type: none"> <li>Developed a 30+ product display system using React.js, rendering components with dynamic data (name, image, price) for enhanced user interaction and visual appeal.</li> </ul>	<a href="#">GitHub</a>

Technical Skills

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**Languages:** JavaScript, Python, TypeScript, Java  
**Web Development:** HTML, CSS, Tailwind CSS, React.js, Node.js, Express.js, Next.js, JSON, Shadcn, Markdown  
**AI & Machine Learning:** LangChain, CrewAI, Agno RAG, OpenAI GPT-4o-mini, Azure AI, Google ADK  
**Agent Technologies:** Fetch.ai SDK, uAgents, A2A Systems, Model Context Protocol (MCP), Agent-to-Agent Communication  
**Developer Tools:** VS Code, Figma, Google Cloud Platform (GCP), Docker, Canva, Git, GitHub, GitHub Actions  
**Database:** MongoDB, Supabase, Firebase, Azure Cosmos DB, PostgreSQL, PgVector  
**APIs & Integration:** REST APIs, Twitter API, GitHub API, Gmail API, HackerNews API, Composio SDK  
**Others:** Excel, MS Office, Digital Marketing, Data Entry, Tech Content Creation (Medium)

Leadership

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<b>MeerutCodeHub Community</b>	<b>12/2022 – Present</b>
<i>Community Leader</i>	<i>Meerut</i>

- Organized and executed 20+ tech events, including hackathons and coding competitions, attracting 500+ attendees each, fostering a vibrant community of developers and tech enthusiasts in Meerut, India.

<b>Fetch.ai Developer Meerut</b>	<b>12/2023 – Present</b>
<i>Community Leader</i>	<i>Delhi NCR</i>

- Hosted 100+ Fetch.ai uAgent events in India and a hackathon at Microsoft Office Gurugram with 200+ participants, promoting AI agent technology adoption.

Achievements

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Delivered 75+ talks at colleges (including IITs) and communities, including Microsoft offices across India, on technology, AI, and development trends.

Top 10 Runner-Up in CodeNight Hackathon organized by Squareboat, Feb 2023.

Received commendation letter and memento for organizing a nationwide GeeksforGeeks contest with 750+ participants, demonstrating exceptional leadership.