




## Ambuj Kumar Tripathi


AI/ML Solutions Architect | Prompt Engineering & Generative AI Specialist | Chatbot Developer | Telecom Infrastructure Expert

Email: kumarambuj8@gmail.com | Phone: +91-9431801363 | Location: Gorakhpur, Uttar Pradesh, India

 [LinkedIn: linkedin.com/in/ambuj-tripathi](https://www.linkedin.com/in/ambuj-tripathi)

 [GitHub: github.com/Ambuj123-lab](https://github.com/Ambuj123-lab)

 [Fiverr: fiverr.com/ambuj\\_1234](https://www.fiverr.com/ambuj_1234)

 [HuggingFace: huggingface.co/spaces/invincibleambuj](https://huggingface.co/spaces/invincibleambuj)

 [Portfolio: ambuj-portfolio.netlify.app](https://ambuj-portfolio.netlify.app)



Scan for my Llama 3.70B Chatbot Demo

## Professional Summary

Motivated, self-taught AI/ML developer with 5+ years in telecom, transitioned to AI-driven development using prompt engineering and AI-assisted coding. Skilled in LLM integration (Llama 3.70B, IBM WatsonX), scalable chatbot development, and responsible AI practices. Leverages network optimization expertise to build innovative AI solutions.

## Technical Skills

- AI & Machine Learning: Prompt Engineering, AI-Assisted Coding, Large Language Models (GPT, Claude, Gemini, Meta Llama 3.70B, IBM WatsonX), Natural Language Processing, Sentiment Analysis, Generative AI, Conversational AI, Few-Shot Learning, Zero-Shot Prompting, AI Model Integration, Fine-tuning, Deep Learning, Responsible AI, AI Ethics
- Cloud Platforms: Google Cloud Platform (Vertex AI, Cloud Functions), IBM Cloud (Watson Services, Cloud Foundry, Speech to Text, Text to Speech), Netlify, Hugging Face Spaces, Render.com
- Programming & Tools: Python for AI-Driven Development (Specialized in AI-assisted tools like GitHub Copilot, Claude), HTML5, CSS3, Hugging Face Transformers, Gradio, IBM Watson Assistant, Jupyter Notebooks, Git, VS Code, REST APIs, OpenRouter API, Gemini API
- Telecom & Infrastructure: Fiber Optic Network Design, Network Performance Optimization, FTTP Planning, PipeR, Amanda, NGWFMT, ServiceNow, Orion, Vendor Coordination
- Data & Operations: Excel (Advanced Functions, Data Visualization), Business Process Documentation, Performance Monitoring

## Key AI/ML Projects

LLM-Integrated Chatbot | Meta Llama 3.70B

Ongoing – Present

- Developed a scalable chatbot using Llama 3.70B, reducing query resolution time by 25% for 100+ concurrent users.
- Designed stateless architecture with client-side state management, storing chat history in a JavaScript array (chatHistory) on the user's browser, eliminating server-side session storage.
- Implemented front-end to send entire chatHistory as JSON in each request, enabling the server to process full context without database lookups, enhancing scalability and reducing server load.
- Integrated secure OpenRouter API with rate limiting and CORS for robust performance.
- Built responsive frontend for seamless real-time interactions across devices.
- Technologies: Llama 3.70B, OpenRouter API, Python, JavaScript, HTML5, CSS3, Render.com
- [Live Demo](#)

AI Portfolio Chatbot Integration

Ongoing – Present

- Embedded AI chatbot into portfolio site, increasing user engagement by 30%.
- Designed mobile-first, cross-browser compatible interface with dynamic content.
- Technologies: HTML5, CSS3, JavaScript, Responsive Design
- [Live Demo](#)

Resume Chatbot | IBM WatsonX Assistant

06/2025 – 07/2025

- Created conversational AI chatbot with 95% intent recognition for 50+ daily queries.
- Developed 50+ intent dataset for natural dialogue flow.
- Deployed on Netlify with 99.9% uptime.
- Technologies: IBM WatsonX Assistant, HTML5, CSS3, Netlify
- [Live Demo](#)

Personal AI Assistant | Python, Hugging Face, Gradio

05/2025 – 06/2025

- Built Python-based assistant with Gradio, handling 200+ daily queries.
- Implemented NLP for context-aware responses, reducing errors by 20%.
- Deployed on Hugging Face Spaces with public API access.
- Technologies: Python, Gradio, NLP, Hugging Face Spaces
- [Live Demo](#)

## Professional Experience

Associate Engineer - Fibre & Network Delivery, British Telecom Global Services Pvt. Ltd.

01/2022 – 08/2024 | Gurugram, India

- Led FTTP network planning using PipeR, reducing deployment time by 15%.
- Coordinated cross-functional teams, achieving 98% quality assurance compliance.
- Awarded "Top Performer" (Jan 2022) for innovative problem-solving.
- Mentored 5+ junior engineers, skills later applied to AI model tuning.

Operations & Maintenance Engineer, Tata Communications Transformation Services Ltd.

11/2021 – 01/2022 | Lucknow, India

- Optimized network performance, reducing downtime by 10% via data analysis.
- Managed billing for OSP/ISP services with 100% accuracy.
- Improved Field Engineer SLA, achieving 98% TAT compliance.

Optical Fiber Execution Engineer, Annu Infra Construct India Pvt. Ltd.

12/2017 – 06/2018 | Kolkata, India

- Executed fiber optic deployment for Ministry of Defense across 3 states.
- Ensured 100% compliance with security and technical standards.
- Reduced project delays by 20% through effective vendor coordination.

System Administrator, Tata Consultancy Services (TCS)

10/2013 – 11/2014 | Noida, India

- Managed revenue systems for Delhi Jal Board, ensuring 99% uptime.
- Trained 20+ portal users on system optimization.
- Supported eMigrate (Ministry of Overseas Affairs) with document verification.

## Industry Certifications

Google Cloud Platform

- Prompt Design in Vertex AI | [Google Cloud](#)
- Build Real World AI Applications with Gemini and Imagen | [Google Cloud](#)
- Explore Generative AI with Vertex AI Gemini API | [Google Cloud](#)

IBM Artificial Intelligence

- Artificial Intelligence Fundamentals | [IBM](#)
- Generative AI in Action | [IBM](#)
- Deep Learning Essentials | [IBM](#)
- Build Your Own Chatbot - Level 1 | [IBM](#)

Microsoft Azure AI

- Get Started with Language Models in Azure Databricks | Microsoft
- Review Responsible AI Principles for Language Models | Microsoft

Deloitte

- Deloitte Australia's Data Analytics Completion Certificate | [Deloitte-Forage](#)

The Linux Foundation

- LFS118: Ethical Principles for Conversational AI | [Linux Foundation](#)

## Education

Post Graduate Diploma in Power Transmission & Distribution

National Power Training Institute, Ministry of Power | 2015 – 2016 | New Delhi, India

Grade: 64.75%

Bachelor of Technology - Electrical & Electronics Engineering

Uttar Pradesh Technical University | 2009 – 2013 | Lucknow, India

Grade: 65.64% | Subjects: Power Systems, Control Systems, Electronics

Higher Secondary Education - Science Stream

Sunshine School | Muzaffarpur, Bihar, India

Grade: 73.6% | Subjects: Physics, Chemistry, Mathematics

Secondary Education

DAV Public School | Muzaffarpur, Bihar, India

Grade: 83.8% | CBSE Board

## Additional Qualifications & Achievements

- AI Content Creation: Produced 50+ AI-generated YouTube Shorts, achieving 10K+ views.
- Open Source Contribution: Beta-tested 3+ AI tools, providing actionable feedback to developers.
- Continuous Learning: Qualified for BITSOM x Masai Product Management with Generative AI (2025).
- TIHAAN - IIT Hyderabad (2025): Invited to AI Innovation webinar on Agentic AI.
- Self-Learning: Mastered AI/ML curriculum through free online resources (Coursera, YouTube, Hugging Face).

## Career Objective

Passionate self-taught AI/ML Developer seeking roles to apply AI-assisted coding, prompt engineering, AI Solutions Engineer or Chatbot Developer to create scalable, innovative AI systems. Committed to responsible AI practices with AI Ethics, leveraging telecom expertise and self-learned AI skills. Open to remote, hybrid, or relocation opportunities globally.

## Declaration

I, Ambuj Kumar Tripathi, certify that all information provided is accurate and verifiable through provided references.