Shubham Baghel

8307489623 | 123108022@nitkkr.ac.in | linkedin.com/in/shubham-baghel-478266310 | github.com/ShubhamBaghel309

EDUCATION

National Institute of Technology, Kurukshetra   **2021 – Present**
B-Tech: Artificial Intelligence and Machine Learning   *Haryana, India*
Rao Pahalad Singh School   **2019 – 2021**
Class 12th (Passing percentage: 88.8%)   *Rewari, India*

WORK EXPERIENCE

Undergraduate Research Intern   **Dec 2024 – Ongoing**
National Institute of Technology, Kurukshetra / ISRO   *Haryana, India*
- Proposed jamming mitigation through jammed signal reconstruction using GANs.
- Preprocessed raw GNSS signal data into a structured format for analysis.
- Achieved 98% accuracy in GNSS jamming classification with VGG16 and ML models (SVM, LR, RF) using 10-fold cross-validation.

BCG GenAI Job Simulation   **Nov 2024**
Forage (Virtual Internship)
- Developed an AI-powered chatbot for BCG's GenAI Consulting team, automating financial analysis from 10-K and 10-Q reports, improving turnaround time by 60%.
- Engineered rule-based logic for chatbot responses, enhancing data interpretation accuracy by 30%.

PROJECTS

AI Resume Tailoring Tool   **Oct 2024 – Dec 2024**
- Optimized resumes for ATS compatibility, boosting ATS scores by up to 30%, streamlining the process of generating tailored resumes and skill matching, improving job application efficiency for 100+ students in my college.
- Integrated a cold email generation feature, increasing response rates by 35%.
- Built using Llama 3.3 via Groq API, PyPDF2, Sentence Transformers, LangChain, and Streamlit for UI and deployment.

YouTube Video Summarizer   **Dec 2024**
- Developed with Google Generative AI and YouTube Transcript API, offering various summary types and video history tracking, reducing review time by 70% and enhancing learning efficiency by 50%.
- Integrated chatbot and Whisper-powered Hugging Face speech-to-text model for videos without transcripts, increasing user engagement by 50% and transcription accuracy by 30%.

Jarvis | *Python, Google Gemini API*   **Aug 2024**
- Created a virtual desktop voice assistant, improving repetetive task efficiency by 50%.

TECHNICAL SKILLS

Languages: Python, SQL, C
Frameworks/Tools: TensorFlow, Keras, LangChain, Sk-learn, Streamlit, Postman, Rest API, Django
Developer Tools: GitHub, Google Colab, Azure
Specializations: LLMs, Vector Databases, NLP, Computer Vision

CERTIFICATIONS

- Azure AI 900 - Azure Machine Learning Certification
- Supervised Machine Learning Certification
- Generative AI Beginner ([Google Cloud Skill Boost])
- Introduction to Large Language Models ([Google Cloud Skill Boost])
- Postman API Fundamentals Student Expert