Bhanuprasadh Santra

🔗 Portfolio in LinkedIn GitHub ✉ bhanuprasadh004@gmail.com 📞 9701152083 📍 Bengaluru, India

EDUCATION

B.Tech in Computer Science (AIML) (CGPA: 7.69), Nov 2021 – Apr 2025 | Andhra Pradesh, India
Kakinada Institute of Engineering and Technology
- **Relevant Courses**: Networking, Operating Systems, DSA, Databases, Statistics

SKILLS

Programming — Python, Go, SQL, Bash

Frameworks/Libraries — TensorFlow, PyTorch, Keras, Hugging Face, LangChain, Flask, Pandas

AI/ML Expertise — NLP (LLMs, RAG), Computer Vision (YOLO, GANs), Reinforcement Learning

Cloud & DevOps — Docker, Kubernetes, AWS, GCP, Terraform, Jenkins, Git, MLflow, Ansible

Databases & Data — MySQL, MongoDB, Hadoop, Spark, Elasticsearch, Kafka

EXPERIENCE

AICTE, Cloud GenAI Intern - Remote   Jul 2024 – Dec 2024
- Developed GenAI solutions using Google Cloud (Vertex AI, Gemini APIs) for code generation, data analysis, and security workflows
- Designed multimodal AI-powered tools improving productivity by 30%
- Integrated Responsible AI principles (fairness, privacy, bias mitigation)
- Deployed models for image generation, embeddings-based search, and multimodal processing

PROJECTS

Intelligent Customer Support Chatbot, (LLM, RAG, GenAI)   May 2025
- Built a GPT-based chatbot using RAG for domain-specific retrieval and real-time interaction
- Automated deployment with Terraform, Jenkins, and AWS Kubernetes for scalability
- Reduced query resolution time by 40%, boosted accuracy by 25%

YOLO-World– Object Detection, (PyTorch, MMYOLO, MMDetection) ☐   Apr 2025
- Fine-tuned YOLO-World for zero-shot detection on LVIS using vision-language modeling
- Achieved 25.7 AP @ 52 FPS with real-time inference and custom vocabulary prompts
- Deployed model via ONNX for downstream tasks with prompt-then-detect pipeline

Real-Time Sentiment Analysis for Social Media, (NLP, Deep Learning)   Feb 2025
- Developed a Transformer-based real-time sentiment analyzer using social media streams
- Integrated Kafka for streaming and Elasticsearch for querying at scale
- Achieved 90% classification accuracy; helped brands track customer sentiment live

CERTIFICATIONS

Google, Developed GenAI Apps with Gemini and Streamlit ☐   Aug 2024

Google, Prompt Design in Vertex AI Skill Badge ☐   Aug 2024

Google, Gemini Multimodality and Multimodal RAG Skill Badge ☐   Aug 2024

IIIT-Hyderabad, Merit Certificate – FMML Program by IIIT Hyderabad   Jul 2023

ACHIEVEMENTS & INTERESTS

- Solved 200+ Python, 50+ GoLang, and 60+ SQL problems on CodeChef
- Participated in multiple hackathons and contributed to open-source projects
- Strong in teamwork, problem-solving, and communication
- **Interests**: Open source, AI research, travel, photography