Impana Anand

AI Engineer

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PROFESSIONAL EXPERIENCE

AI & ML ENGINEER   Jul 2024 – Jun 2025 | Bangalore
F9 Cybrisk Tech Pvt Ltd
Developed a deep learning model to detect fake videos and audio with high accuracy. Built an optimized machine learning system for phishing website and email detection.

AI&ML Developer   Apr 2024 – Jun 2024 | Bangalore, India
Geekonomy (Intern)
Built interactive dashboards in Tableau and Power BI for criminal database analysis. Analyzed crime patterns and trends to derive actionable insights.

Software & AI Developer   Feb 2023 – May 2023 | Bangalore, India
nCorium (Intern)
Developed face recognition and license plate recognition systems using ML/DL. Optimized models for high accuracy and low latency in real-time applications.

Researcher   Oct 2022 – Jan 2023 | Prayagraj, India
IIIT -Allahabad (Internship)
Developed methodologies for remote sensing data acquisition and processing tailored for urban environments Acquired proficiency in software tools relevant to remote sensing and GIS analysis.

EDUCATION

BE in AI and Data Science - 9.10 CGPA   2020 – 2024 | Bangalore, India
Global Academy of Technology

PROJECTS

- **RAG Agentic System for Federal Register Executive Orders :** RAG system fetching U.S. executive orders, storing in MySQL, and using FastAPI, Streamlit, and Qwen2.5 to query and summarize.
- **HR-Chatbot:** A FastAPI and Streamlit HR chatbot using a RAG pipeline with FAISS, Sentence Transformers, and the Mistral model to answer employee queries on skills, experience and project.
- **Enhancing MRI Synthesis:** Knee MRI Synthesis and 3D Conversion.
- **Accident Detection Using Deep Learning:** Developed an accident detection system using CNNs, LSTMs, and Explainable AI for accurate and interpretable video analysis.
- **Drug Classification using different ML Algorithms:** Classified drugs using ML algorithms and ensemble models for improved accuracy and efficiency.

SKILLS

Programming Languages: Python, C, JavaScript, HTML, CSS
AI & ML: Machine Learning, Deep Learning, Generative AI, NLP, RAG | TensorFlow, PyTorch, React.js
Databases: MySQL, MongoDB, PostgreSQL
Tools & Platforms: Jupyter Notebook, VSCode, GitHub, Docker, Grafana, Prometheus
Business Intelligence: Tableau, Power BI

PUBLICATIONS

IEEE [1 ↗][2 ↗]|Springer [3 ↗][4 ↗]

CERTIFICATIONS

Introduction to Industry 4.0 and IoT(72%)-IIIT Hyderabad -NPTEL
Privacy and Security in Online Social Media(61%)-IIT Kharagpur-NPTEL