

# 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