

# Punit Kaushik

[punit.kaushik444@gmail.com](mailto:punit.kaushik444@gmail.com) | [Kaggle-profile](#) | [LinkedIn-profile](#) | [Github-profile](#)

## Experience

**Resolute-AI** (AI Engineer Intern)  
(Dec 2024 – present)

Worked on more than 10 RAG and agentic workflows, introduced new prompt workflows, and currently working on scalability of RAG applications.  
Developing re-identification (Re-ID) and object detection pipelines (Computer Vision).

## Education

**VIT Bhopal University**  
B.Tech, Computer Science and Engineering, 2022 – present

Madhya Pradesh, India  
GPA: 8.0/10

**International Public School**  
XII, 2020 – 2022

Bhopal, MP, India  
Percentage: 76%

## Projects

*SMOL-CHAR-LM* A custom transformer based SLM written from scratch in Pytorch, with mathematical implementation of Rotatory Positional Embeddings and KV caching.  
-Technology: Python, Pytorch

*Safe-Prompt* Developed a **CNN+GRU**-based model that uses sentence-level embeddings in **700+ dimensions** with a **BERT-based** pre-trained embedding model for detection of malicious prompts. (**Jina-embeddings**).  
-Technology: Python, TensorFlow, HuggingFace

*Phish-knot* A **CNN** based model that classifies websites into Phishing or non-phishing by utilizing embeddings of the source code.  
-Technology: Python, TensorFlow

*Data-vizor* An agentic RAG based bot that can analyze any kind of csv or excel files and provide statistical insights and plots for the given data.  
-Technology: LangChain, Python

## Publication

### *Optimized Computational Strategy for IoT Intrusion Detection Using Robust Deep Neural Networks*

Presented at the Springer 7<sup>th</sup> International Conference on Intelligent Computing and Communication **ICICC-2024**.  
Developed a custom **quantized CNN-LSTM** module that can run on edge devices for IDS

## Technical Skills

**Technologies & Frameworks:** Python, TensorFlow, Pytorch, LangChain and SQL familiar with C, C++ and R

## Extra-Curricular and Achievements:

**Achievements:** Kaggle Notebook Expert  
Successful Submissions in 40+ ML competitions.

**Responsibilities:** President/Student Coordinator at AI Club (March 2024 - Present)  
Machine Learning Co-Lead at GDSC VIT Bhopal (Nov 2023 – May 2024)  
Technical Team Member at AI Club (Feb 2023 – Feb 2024)  
Technical Team Member at Data Science Club (Nov 2023 – Feb 2024)

**Extra-Curricular:** Featured Speaker at 5 online/offline Engagements.

**Certifications:** IBM Professional Engineer (A 6 Certificate Specialization), Custom layers, models loss functions by Deeplearning.ai, Python (Basic) by HackerRank, Intro to ML (Kaggle) Intro to DL (Kaggle), Pandas (Kaggle).

**Hobbies:** I enjoy going out for a run, watching anime and reading about Warhammer 40K.