

Ayon Aryan

Patna ,Bihar| +91 7991126269 | ayonaryan5@gmail.com | <https://www.linkedin.com/in/ayon-aryan-917078238/> | <https://github.com/AYON-ARYAN> | <https://ayon-aryan.github.io/ayonaryan.github.io/>

SUMMARY

Computer Science undergraduate at RV University specializing in AI systems and scalable backend development. Experienced in building LLM-powered platforms, RAG pipelines, GAN-based image enhancement models, and Android applications using Spring Boot, PyTorch, and Kotlin. Strong foundation in Data Structures, OOP, and RESTful API design, focused on developing production-ready intelligent systems.

EDUCATION

RV University, Bangalore, Karnataka Expected Graduation: 2027

- B.Tech (Hons.) Computer Science | Minor: Fintech | Major: AI and ML
- Awards: Best Project Award (Structural Innovation)

Gyansthali High School, Patna ,Bihar Graduation Year: 2023

- 2022-2023
- District Level 300m Sprint Competitor

Delhi Public School, Patna ,Bihar Graduation Year: 2022

- 2010-2022
- National Level Roller Skating and Karate Participant

TECHNICAL SKILLS

- *Computer languages*: Python, Java, C, C++, Kotlin, SQL
- *Frameworks & Tools*: Spring Boot, Flask, TensorFlow, Keras, Jetpack Compose, Git
- *AI & ML*: CNNs, RAG, LLM Integration, TF-IDF, Vector Databases
- *Databases*: MySQL, SQLite, PostgreSQL (pgvector)
- *Core Concepts*: Data Structures & Algorithms, DBMS, REST APIs, Micro-services Architecture

WORK EXPERIENCE

Techpuram Technology Pvt. Ltd., Android Native App Developer Intern ,Madhurai ,Tamil Nadu

(25-Feb-2025 to 19-Aug-2025)

- Developed Geo GPS Camera App used for secure location-tagged image capture using Jetpack Compose and Kotlin along with Google Maps API 100+downloads till Date on Play Store
- Implemented Server Side Validation to prevent image spoofing and fake GPS metadata

Broadrange AI, Artificial Intelligence Intern ,Chicago , Illinois

(25-June-2025 to 30-Aug-2025)

- Built a Legal Domain LLM system trained on a fixed curated dataset to minimize hallucination
- Implemented document ingestion pipeline using chunking based preprocessing integrated PromptGuard V2 for prompt injection. Designed RAG architecture for improved reliability and contextual grounding.

PROJECTS

LLM Service MCP (Autonomous AI Agent System)

- Designed a micro-service-based autonomous AI system with dynamic tool orchestration (RAG,Web-Search and Chat)
- Built a BERT-based intent classification service for real time prompt routing and reasoning

Image Resolution Enhancer for Face Super Resolution

- Fine-tuned Real-ESRGAN on paired HR-LR dataset using transfer learning and custom loss balancing
- Achieved performance improvement from 29.15 dB to 33.95 dB PSNR and SSIM of 0.8985 for enhanced facial detail reconstruction

Local NL to SQL System

- Built an offline AI powered database manager that converts natural language into executable SQL queries using locally hosted LLM
- Implemented schema-aware prompting, SQL validation and snapshot based rollback and Human-in-the-Loop Execution