

PRAGATI KUMAR

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Education

International Institute of Information Technology, Naya Raipur

Dec. 2021 – June 2025

Bachelor of Technology in Electronics and Communication Engineering

8.11/10 CGPA

Experience

Scalixity, Bengaluru — April 2026 – Present

Full-Stack Developer — NestJS, PostgreSQL, Redis, BullMQ, AWS S3, Drizzle ORM, Next.js

- Built and maintained **25+ NestJS modules** on a **Fastify** server with **PostgreSQL (Drizzle ORM)**, covering orders, vendors, returns, loyalty, campaigns, reviews, and admin analytics across **50+ database schemas**.
- Implemented **Redis-cached full-text and trigram fuzzy search**, **BullMQ async job queues** for Virtual Try-On processing, **Shiprocket** multi-vendor shipping integration, and a **Sharp/WebP image pipeline** with **AWS S3** storage.
- Developed multi-channel notification system (Brevo email, Twilio SMS, Firebase push), **JWT + Firebase Auth**, and contributed to the **Next.js 15** frontend with Razorpay payments and TanStack Query-driven data fetching.

Vassar Labs, Hyderabad — May 2025 – March 2026

Software Developer Intern — Java 8, Java 11, Spring Boot, Cassandra, PostgreSQL, MySQL, Azure, Kafka, Flink, Docker

- Contributed to the **Integrated Decision Support System (IDSS) project** at **Vassar Labs** for the **Government of Telangana**, developing backend services using Java 8/Java 11 and Spring Boot to process **high-volume hydrology and water resource data from 1000+ sources for reservoirs, river gauges, rainfall stations, pump houses**.
- Built and maintained RESTful APIs and data processing workflows to ingest and process real-time and historical water system data from multiple sources, enabling monitoring and operational decision support for reservoirs, pumps, and irrigation systems
- Implemented real-time and batch data processing solutions, event-driven workflows for automated data scraping and transformation.
- Worked on distributed data processing, contributing to system reliability, debugging production issues, and improving overall data pipeline performance.

Projects

WebMind AI : AI Website Builder | *FastAPI, OpenAI API, SQLAlchemy, SQLite, Python* | [🔗 Github](#)

- Developed a full-stack AI-powered web application using FastAPI and OpenAI that generates complete multi-page websites.
- Designed a secure backend with JWT-based user authentication, SQLite database integration via SQLAlchemy, and RESTful API endpoints supporting task management, project generation, and automated ZIP packaging.
- Implemented end-to-end project delivery pipeline including unique project ID generation, automatic file structuring, base tag injection for relative routing, and instant in-browser preview of AI-generated websites.

MailQuery AI : Email RAG Assistant | *Python, Flask, NVIDIA NIMs API, RAG, React.js* | [🔗 Github](#) |

- Developed MailMind AI, an Email RAG Assistant that indexes 1000+ emails and enables natural language querying to retrieve insights from inbox data.
- Implemented LLM-based summarization and categorization, **generating 1-line summaries and automatically classifying emails into 4 categories (Urgent, Important, Promotion, Other)**.
- Built a Python backend with RAG architecture to analyze and summarize the last 50–100 emails instantly, improving email search and productivity by 70 percent faster information retrieval.

FaceTrack : Real-Time Face Recognition System | *Python, MTCNN, FaceNet, SVM* | [🔗 Github](#) |

- **Developed a real-time face recognition system:** Detects and identifies individuals from webcam video streams using MTCNN for face detection and FaceNet for generating facial embeddings.
- Designed a modular machine learning pipeline for dataset processing, face detection, and embedding extraction.

Technical Skills

Languages: Java 8, Java 11, JavaScript, Python, C/C++

Libraries/Frameworks: FastAPI, Flask, Spring Boot, Flask, TypeScript, Node.js

Database Tools : AWS, PostgreSQL, MySQL, MongoDB, Apache Cassandra, Redis, Kafka, Flink, Power BI

Achievements / Extracurricular

- **Specialist at Codeforces** (max rating 1459): **Gustavo_{us}**
- Part of the winning team in Bit to Byte (College Coding Contest) out of 10 participating teams.