

ISHAN PATRA



9325358419



ishan.patran102@gmail.com



ishan123



realishanpatra

Education

Pune Institute of Computer Technology

2022 – 2026

Bachelor of Engineering in Electronics and Telecommunication

8th Semester SGPA: 8.25/10

Skills & Tools

Languages: Python, SQL, C++, JavaScript, TypeScript, HTML/CSS.

Backend Systems: FastAPI, REST APIs, Microservices, Database Indexing, App Integration, Structural Queries.

AI Engineering: OpenAI API, Claude API, RAG Infrastructure, Agentic Automation, LLM Orchestration.

Tools & Databases: PostgreSQL, MySQL, Firebase, Git, GitHub, Docker, Postman, Jira.

Core Skills: Data Structures & Algorithms, Backend Architecture, System Optimization, Agile Pipelines.

Work Experience

Mphasis Limited

Jun 2025 – Dec 2025

Python Backend Development Intern

Pune, India

- Developed scalable Python backend components and REST endpoints, verifying functionality with Postman.
- Optimized PostgreSQL relational database pipelines and query structural schemas to minimize server load bottlenecks.
- Collaborated on software architecture upgrades and maintained comprehensive API system technical documentation.

Acquisition Arc

Feb 2026 – May 2026

Backend Developer Intern

Remote

- Designed high-throughput REST APIs to support core automation workflows and user data delivery mechanisms.
- Integrated secure multi-tenant cloud storage structures via Firebase, enforcing isolation across production sets.
- Configured deployment integration tasks and fixed routing exceptions to ensure clean, continuous endpoint uptime.

Projects

HackScrapped

Jan 2025

- Built and scaled a scraping-driven platform to **12,000+ users in 30 days**, sustaining **500+ MAUs** via automated data refresh.
- Engineered a cron-based Puppeteer scraping system refreshing data every **6 hours** with zero manual intervention.

Internal Assessment Module | Python, JavaScript, Firebase, Data Pipelines

Feb 2026 – April 2026

- Engineered a custom digital assessment portal for educational institutes, implementing a high-performance Python backend workflow.
- Developed custom JavaScript data pipelines to stream structural metrics directly from Firebase real-time data architectures.

BIE India AI Chatbot | Python, FastAPI, RAG, OpenAI API

Jan 2026

- Engineered a modular Retrieval-Augmented Generation (RAG) orchestration engine built entirely on Python and FastAPI.
- Integrated semantic vector search over private structural assets to resolve user contextual queries with **90% accuracy**.
- Optimized backend asynchronous request tasks, dropping processing latency variables across live production API endpoints.

Placement Predictor AI | Python, FastAPI, PostgreSQL, SQL

Apr 2025

- Built a data-driven recruitment predictor platform handling relational metric scaling for **800+ student profiles**.
- Developed the algorithmic scoring module in Python using clean relational query logical math and structural datasets.
- Designed normalized PostgreSQL schemas to safely cache user profiles, histories, and predictive mock metrics.

Certifications

Certification: Stanford University's Code in Place

Certification: Deloitte's Data Analytics Job Simulation

Languages

English: Professional Working Proficiency