

ASHUTOSH PANDEY

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EDUCATION

Indian Institute of Information Technology Ranchi

B.Tech in Computer Science and Engineering

Class XII: 81%, Class X: 87%

2028

CGPA: 8.00

TECHNICAL SKILLS

Languages: Python, C++, GO, C, SQL

Developer Tools: Git, GitHub, Docker, Postman, Render, Jupyter, Google Colab, Google Workspace (Sheets, Slides), MS Excel

ML/GenAI: NumPy, Pandas, Scikit-learn, LangChain, LangGraph, Hugging Face, RAG

Backend Technologies: REST APIs, FastAPI, Pydantic, asyncpg, JWT Authentication, RBAC, Async Programming

Web Scraping: BeautifulSoup, Requests, Web Automation

Data-Visualization: EDA, Feature Engineering, Matplotlib, Seaborn

Cloud/Databases: PostgreSQL, Supabase, MySQL, MongoDB, Redis, Multi-Tenant Architecture

Core CS: Data Structures & Algorithms, DBMS, Object-Oriented Programming, Operating Systems

APIs & Integrations: Google Drive API, Gmail API, OAuth 2.0, Google Apps Script

EXPERIENCE

Ambition Colonisers Pvt Ltd

AI/Automation Software Developer Intern

Aug 2026 – Sep 2026

Onsite - Gurugram, Haryana

- Built a **multi-tenant financial reconciliation platform** using **Python, FastAPI, PostgreSQL, React 18, Vite, and Tailwind CSS**, serving **8 isolated company schemas** with schema-per-tenant data isolation.
- Designed and implemented a **Role-Based Access Control (RBAC)** system with **JWT authentication** and **4 permission tiers**, enforcing authorization at both API and UI layers.
- Developed an automated bank statement ingestion pipeline supporting **PDF, XLSX, XLS, and CSV** formats, parsing **300+ statements** with configurable page ranges and batch processing.
- Engineered a **Gmail-to-Google Drive automation** using **Google Apps Script** and Gmail/Drive APIs with **OAuth 2.0**, eliminating manual statement downloads by auto-collecting and standardizing attachments.
- Implemented **asynchronous background job processing** with real-time progress tracking and polling-based status updates, preventing request timeouts on long-running imports.
- Maintained **85+ automated integration tests** validating business rules, permissions, and data integrity across tenant schemas.

MySSCGuide

Gen AI Intern

Jan 2026 – Apr 2026

Remote

- Engineered **Python automation architectures**, scaling content generation and optimizing data processing, reducing manual workload by **40%** and saving **15+** hours weekly.
- Constructed **Python ETL pipelines** to ingest data from **10+** web sources, processing **50K+** raw educational records into normalized formats.
- Integrated **LLMs** with custom validation to generate structured educational content in **JSON**, reducing API schema errors by **30%**.
- Automated data extraction and **AI-driven content workflows**, improving data accuracy by **60%** and generation speed by **40%** via **OCR**.
- Partnered with a **5-member** team using **Git/GitHub** to resolve merge conflicts and integrate **10+ features**.

PERSONAL PROJECTS

AI-Powered Doctor Recommendation Chatbot

Jan 2026

Tools: FastAPI, LangChain, Python, Pydantic, REST APIs

- Collaborated in a **4-member** hackathon team to create an **intelligent healthcare chatbot** for preliminary symptom assessment and doctor guidance.
- Integrated a **LangChain-based agent** to process natural language symptom descriptions, generating structured healthcare responses in **12 seconds**.

ACHIEVEMENTS

- Mastered **300+ Data Structures and Algorithms** problems across LeetCode, GeeksforGeeks, and CodeChef, focusing on Medium/Hard difficulty.
- Enhanced competitive programming skills by participating in **30+** CodeChef contests, optimizing solutions under time constraints.

Hackathon Participation – Team-Based Development Competitions

2024 – Present

- Conceptualized and deployed AI-integrated full-stack applications using FastAPI and LangChain; launched 3 functional prototypes within hackathon timelines.