GAURAV PATHAK

Giridih, Jharkhand
+91 9113110976 — gauravpathak911311@gmail.com
LinkedIn: Gaurav Pathak — GitHub: coderzgaurav01

EDUCATION

I.K. Gujral Punjab Technical University B.Tech CSE (AI & ML)
GPA: 8.7/10
    Jharkhand Academic Council Intermediate
Percentage: 89%

PROFESSIONAL EXPERIENCE

NestorBird, Mohali, Punjab *Software Developer*
Nov 2025 – Present

- Own end-to-end development of scalable backend modules using Python, Frappe/ERPNext, and RESTful services, ensuring reliability and maintainability.

- Designed and optimized API-driven backend components, improving performance, data consistency, and system scalability.

- Refactored critical system modules to reduce latency and enhance throughput using efficient data modeling and caching strategies.

- Implemented secure integrations including **Microsoft SSO (Azure AD)** and **HubSpot CRM** with automation pipelines.

- Led technical discussions for requirement clarification, architecture decisions, and sprint planning within the squad.

- Deployed services using Docker and AWS under senior guidance; ensured CI/CD alignment with GitHub workflows.

NestorBird, Mohali, Punjab *Software Developer Intern*
Aug 2025 – Oct 2025

- Supported backend API development, ERP customizations, and data workflows using Python and Frappe.

- Collaborated with senior engineers to implement production features and resolve critical backend issues.

Bluestock Infotech *Software Engineer Intern*
Aug 2022 – May 2026 (Punjab), Mar 2020 – Jul 2022 (Jharkhand), Dec 2024 – Jan 2025 (India)

- Built scalable backend services using **Node.js** and **Express.js**, enabling high-performance API communication.

- Designed REST APIs and optimized database queries using indexing strategies.

- Diagnosed backend bottlenecks and improved response times across major endpoints.

TECHNICAL PROJECTS

- **Smart Campus ERP with RAG Question Generator** — Built AI-driven academic automation using Python + LLMs.

- **BookingYard Ecommerce Platform** — Designed core backend modules; integrated payment workflows.

- **Medical Diagnosis System (ML)** — Predictive diagnosis using ML pipelines and model inference APIs.

TECHNICAL SKILLS

Backend: Python, Node.js, Express.js, Flask, FastAPI (learning), REST APIs, Microservices
System Design: Caching, load handling, modular architecture, distributed systems fundamentals
Databases: MySQL, MongoDB, Redis, NoSQL concepts, indexing, query optimization
DevOps: Docker, AWS (EC2, S3, basic deployments), GitHub Actions
AI/LLM: LangChain, RAG, model pipelines (beginner)
Frontend (Supporting): React.js, TypeScript/JavaScript, HTML/CSS
Core CS: DSA, OOP, OS, Basic Networking
Soft Skills: High ownership, debugging, requirement analysis, clear communication