Chinmay Prakash Rout

B.Tech Computer Science Engineering Student

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Professional Summary

Computer Science Engineer with hands-on experience in Java, Python, SQL, full-stack development, REST APIs, and machine learning. Built AI-powered and healthcare applications using modern backend, database, and web technologies, with a strong foundation in DSA, DBMS, OOP, and Software Engineering.

Skills

Languages: Java, Python, JavaScript, SQL, HTML/CSS

Frontend: React.js, Next.js, React Query, Tailwind CSS, PWA

Backend: Spring Boot, Java Servlets, Flask, FastAPI, Node.js, RESTful APIs, Microservices

Databases: MySQL, SQLite, MongoDB, JDBC

Cloud & Tools: AWS EC2, Git, GitHub, Maven, Postman, VS Code, Visual Studio, Android Studio

Other Skills: OAuth 2.0, JWT Authentication, WebSockets, API Integration, CI/CD, Agile Development, TDD

Internships & Training

Artificial Intelligence Intern | IBM **May 2026 – June 2026**
6-Week Internship *Noida, India*

- Developed AI/ML solutions using Python, performing data preprocessing, exploratory analysis, feature preparation, model training, and evaluation on structured datasets.
- Worked across the end-to-end machine learning lifecycle, implementing and evaluating ML algorithms to generate data-driven predictions and insights.

Java Full-Stack Development Bootcamp **May 2026 – June 2026**
Java Full-Stack & AWS Training

- Developed full-stack applications using Java, Spring Boot, SQL, HTML/CSS, JavaScript, REST APIs, CRUD operations, and Microservices.
- Worked with Maven, Postman, database integration, and AWS EC2, including instance configuration, API testing, and application deployment.

Projects

Sakura AI | Python, Flask, SQLite, JavaScript, REST APIs, OAuth 2.0 **Apr 2026 – Present**

- Engineered a context-aware conversational AI platform with multi-turn memory, session isolation, intelligent topic handling, and multi-provider LLM routing with automatic failover.
- Integrated dual-engine AI image generation, GitHub OAuth 2.0, persistent user data, REST APIs, and a responsive cross-platform Web/Android interface.

Iryotek – Healthcare Management System | Java, Servlets , MySQL, WebSockets **May 2026 – Present**

- Engineered a role-based healthcare management platform with Patient, Doctor, and Admin portals, appointment scheduling, AI-assisted symptom triage, authentication, and digital medical records.
- Developed a real-time WebSocket appointment queue with collision-free slot allocation, BCrypt authentication, email notifications, and PDF/Excel reporting.

Certifications & Achievements

Codex Hackathon – Participant Jul 2026
Microsoft AI Skills Fest – Participant Jun 2026
AWS Cloud Fundamentals – AWS Foundation Jun 2026
Data Analytics Job Simulation – Deloitte via Forage Mar 2026
Python Intermediate – LinkedIn Learning Jan 2026
Full Stack Development in Java – Udemy May 2025

Education

Sharda University, Greater Noida, India **Aug 2024 – Present**
Bachelor of Technology in Computer Science Engineering