

Dinesh Kumar Mohanta

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Professional Summary

Final-year CS Engineering student and aspiring Java Backend Developer with hands-on experience in Core Java, OOP, DSA, and GUI development. Built 3 production-style Java desktop applications and an NLP chatbot across 2 industry internships — all delivered on time. Seeking an entry-level Java Developer or Backend Engineer role at an MNC to contribute to production-grade systems.

Technical Skills

Languages & Tools: Java (Core, Swing, AWT), Python, SQL, HTML, CSS | Git, IntelliJ IDEA, VS Code

Core CS Concepts: OOP, DSA, Exception Handling, Encapsulation, Event-Driven Programming, GUI Development, Serialization

AI & Data: NLP, Intent Recognition, Entity Extraction, Generative AI, Conversational AI, Microsoft Power BI

Practices: Agile / Scrum, Systematic Debugging, Input Validation, Clean Code, Modular Design, Secure Coding

Professional Experience

Java Programming Intern

Dec 2025 – Jan 2026

Virtual / Remote

- CodSoft*
- Built **3 desktop applications** (Student Management System, ATM Simulator, Grade Calculator) applying OOP, Swing/AWT, Serialization, and Event Handling within a 4-week structured program.
 - Developed and executed **15+ Java programs** covering inheritance, polymorphism, encapsulation, and exception handling; solved **20+ algorithmic exercises**.
 - Achieved **100% on-time task delivery**; earned **Certificate of Completion** with positive mentor remarks for functionality, error-free execution, and code quality.

AI & Data Analytics Intern

Dec 2024 – Jan 2025

Virtual / Remote

- Edunet Foundation*
- Designed and deployed an **NLP chatbot** handling **100+ dynamic queries** at ~85% simulated accuracy using Python, intent recognition, and entity extraction.
- Collaborated in an **agile team of 20+ interns** across sprints and peer reviews; delivered all milestones within 4 weeks and received internship certification.

Key Projects

Student Management System | Java SE, Swing, AWT, Collections, IO Serialization, Event Handling

Dec 2025

- Developed a full desktop app for educational institutions to manage student records — implemented a **Live Search engine** (DocumentListener) reducing retrieval time by ~40%, custom CellRenderer for dynamic term highlighting, and Java Serialization ensuring **100% data integrity** across restarts.

ATM Interface Simulation | Core Java, OOP, Swing GUI, Exception Handling, Secure Coding

Dec 2025

- Built a secure ATM banking simulator supporting deposits, withdrawals, and balance inquiries — enforced strict encapsulation, real-time transaction validation, and robust insufficient-funds handling with zero runtime errors.

Conversational Chatbot using NLP | Python, NLP, Intent Classification, Entity Extraction

Dec 2024

- End-to-end NLP chatbot handling 100+ varied inputs at ~85% accuracy via intent classification, entity extraction, and context-aware dialogue flow pipelines.

Education

Krupajal Engineering College (KEC)

Oct 2022 – May 2026 (Expected)

B.Tech – Computer Science Engineering

Bhubaneswar, Odisha

Kalinga Xavier College of Science & Commerce

Jan 2021 – Mar 2022

Higher Secondary (12th) – Science Stream

Odisha

Awasik Saraswati Shishu Vidya Mandir (ASSVM)

Mar 2013 – Feb 2020

High School (10th) – General Studies

Odisha

Certifications

- Certificate of Completion – CodSoft Java Internship
- Certificate of Completion – Edunet AI & Data Analytics
- Introduction to Generative AI – Google / Coursera

- AI Appreciate Badge – Odisha for AI Initiative
- Analyzing & Visualizing Data – Microsoft Power BI

Languages

English (*Professional*) • Hindi (*Professional*) • Odia (*Native*) • Sanskrit (*Elementary*)