ADITYA RAJ

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SUMMARY

Results-driven computer science student with hands-on experience in Python, SQL, and machine learning projects, including CLI-based systems and real-time predictive models. Proficient in building backend systems, working with relational databases like MySQL
Comfortable with Git, Agile development, and writing clean, maintainable code. A quick learner and effective team player, passionate about solving real-world problems through data-driven solutions.

WORK EXPERIENCE

Machine Learning, *Codsoft Service*   11/2024 – 12/2024
Remote
- Gained practical experience in Machine Learning over a 1-month intensive training (Nov 2024) exploring key ML concepts and implementation techniques using Python.
- Developed and evaluated predictive models, improving accuracy metrics by over 20% during iterative testing.

Java Developer, *Octanet Service*   02/2024 – 03/2024
Remote
- Developed a console-based ATM simulation using core Java concepts such as Object-Oriented Programming and exception handling.
- Implemented key functionalities including PIN verification, balance inquiry, cash withdrawal, and deposit operations.

EDUCATION

Bachelor in Technology in Computer science, *Gita Autonomous College, Bhubaneswar*   07/2026
- Expected Graduation: July 2026
- 9.27GPA/CGPA

Secondary and Higher Secondary School, *Saint Joseph's School, Kahalgaon Bihar*
- 86% in 10th & 89.3% in 12th

TECHNICAL SKILLS

Programming & Scripting
Python(NumPy,Pandas) ,Java, C, JavaScript

Frontend Development
HTML, CSS, DOM Manipulation

Databases
MySQL

Tools & Platforms
Git, GitHub, VS Code, Netlify, GitHub Actions, Canva

PROJECTS

Student Grade Management System, *Technologies: Python, MySQL, MySQL Connector, OOP*
- Designed a CLI-based system to manage student records, store grades, and calculate performance using a connected MySQL database.
- Developed features like student insertion, percentage calculation, and rank listing with dynamic menu-based navigation.
- Applied SQL queries for storing and retrieving data using Python's mysql-connector-python library.
- Practiced CRUD operations, data structures, and real-world database integration skills.

Data Analysis on COVID-19, Using Python & Libraries, Software Development Engineer,
Tech: Python, Pandas, NumPy, Matplotlib, Seaborn
- Cleaned and processed 20,000+ rows of COVID-19 data from different sources using Pandas and NumPy.
- Designed 10+ meaningful visualizations (trend lines, heatmaps, bar charts) to highlight regional case surges and fatality rates.
- Automated and completed preprocessing tasks (missing values, date parsing, grouping) that cut manual cleanup time by 70%.

ATM Machine Simulation System
- Built a console-based ATM simulation using core Java concepts including OOP and exception handling.
- Implemented key functionalities including PIN verification, balance inquiry, cash withdrawal, and deposit operations.
- Integrated exception handling mechanisms to manage invalid inputs, insufficient balance , and system errors gracefully.

Certificates

- Python Fundamentals-Udemy
- Clean Data in SQL using MYSQL Workbench-Coursera
- The Java Language-Coursera