

# Adarsh Rai

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## PROFESSIONAL SUMMARY

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Results-driven **Backend & Full-Stack Developer** skilled in **Java, Spring Boot, RESTful APIs, and SQL**. Experienced in building secure, role-based systems and automating backend workflows using **AWS Lambda (Python), S3, and SES**. Dedicated to delivering scalable, maintainable solutions with clean architecture and collaborative problem-solving.

## EXPERIENCE

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### INADEV

June 2025 – Present

*Graduate Trainee – Backend Engineer*

- Built secure APIs using **Spring Boot (Java 11)** and **MySQL** for offer letter automation and PDF delivery.
- Automated HR email workflow with **AWS Lambda, SES, S3 (Python)**, reducing manual intervention.

### Tech Mahindra

Sept 2024 – June 2025

*Operations Associate (Tech-enabled Role)*

- Automated reporting pipelines using **Python/SQL**, improving process efficiency.
- Assisted with API testing, release validation, and production deployments.

## SKILLS

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**Languages:** Java, Python, JavaScript (ES6+), SQL

**Backend:** Spring Boot, REST APIs, JPA/Hibernate, JWT, Mockito/JUnit

**Databases:** MySQL, PostgreSQL — indexing, query optimization, window functions

**Frontend:** React (MUI), HTML, CSS

**Cloud / DevOps:** AWS (Lambda, S3, SES, Secrets Manager), Docker, Git, CI/CD

**Data / Analysis:** Pandas, NumPy, Matplotlib, Power BI, Excel

**Tools (Productivity Tools):** GitHub Copilot, ChatGPT, Tabnine, Amazon CodeWhisperer

**Soft Skill:** Problem Solving, Ownership, Team Collaboration, Adaptability

## KEY PROJECTS

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### Student Performance Analysis — Data Science Project

[GitHub](#)

- Performed data preprocessing, **EDA**, and visualization using **Python, Pandas, and Matplotlib**.
- Derived key academic insights to improve student performance through pattern analysis.
- *Tech Stack: Python, Pandas, NumPy, Matplotlib, Seaborn*

### ProjectHub — Full-Stack Portfolio and Blogging Platform

[GitHub](#)

- Built responsive full-stack app with **Spring Boot + React** enabling authenticated blogging.
- Designed modular REST architecture and CRUD APIs for smooth user experience.
- *Tech Stack: Spring Boot, Java, React, MySQL, REST APIs*

### E-commerce API — Product Management System

[GitHub](#)

- Created scalable REST API with **Spring Boot, PostgreSQL, and JWT authentication**.
- Integrated **Docker** and **Swagger UI** for containerized deployment and API testing.
- *Tech Stack: Spring Boot, PostgreSQL, JWT, Docker, Swagger UI*

## EDUCATION

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### Masai School — Data Science

2025

Coursework: Python, Data Analysis, Visualization, Machine Learning

### Master of Computer Applications — Chandigarh University

2024

Key Areas: OOP, DBMS, Computer Networks, Software Engineering

## CERTIFICATIONS

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- **Supervised Machine Learning: Classification** — IBM (Coursera) [Certificate Link](#)
- **Supervised Machine Learning: Regression** — IBM (Coursera) [Certificate Link](#)
- **Machine Learning: Regression** — Univ. of Washington (Coursera) [Certificate Link](#)
- **Machine Learning: Classification** — Univ. of Washington (Coursera) [Certificate Link](#)