



# Pradipta Sarkar

Graduate Software Developer

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- Pradipta Sarkar

## PROFILE

Graduate Software Developer with an MSc in Artificial Intelligence and a strong foundation in **solving problems** and building **business applications**. Skilled in software development, automation, and AI-driven solutions. Passionate about writing and **testing code**, working on **product development**, and delivering solutions that meet **customer needs**. Experience in Agile (Scrum/Kanban), Microservices, and modern programming languages including **JavaScript**, **OOP**, and Python.

Results-driven Graduate Software Developer with an MSc in Artificial Intelligence and 1+ years of industry experience in software development, automation, and AI-driven solutions. Passionate about Java, Python, and full-stack development with expertise in Microservices, APIs, Agile methodologies, and cloud computing. Strong problem-solving skills, a keen attention to detail, and experience working in fast-paced, collaborative environments. Seeking an opportunity to apply my technical expertise to real-world enterprise projects.

## EDUCATION

### MSc in Artificial Intelligence

University of East London, London  
09/2023 – 09/2024

Relevant Coursework: Machine Learning on Big Data, AI & Machine Vision, Intelligent Systems

### B.E. Computer Science Engineering

Chandigarh University, Mohali  
06/2018 – 07/2022

## PROFESSIONAL EXPERIENCE

### Coforge Ltd., Greater Noida

Test Engineer  
08/2022 – 09/2023

- Developed and optimized Java-based enterprise applications in the financial services domain.
- Built and maintained Microservices architectures using Spring Boot, improving scalability and reliability.
- Implemented unit testing with JUnit & Mockito, increasing code coverage by 25%.
- Integrated AWS cloud services (S3, Lambda, EC2) to enhance application performance.
- Worked in Agile teams, using JIRA for sprint tracking and CI/CD pipelines for automation.

### Highradius Corporation

Software Developer Intern  
08/2021 – 02/2022

- Developed customer-facing applications using Java, Spring Boot, and React.js.
- Built and tested RESTful APIs for high-volume transaction processing.
- Optimized backend data processing with multithreading, reducing response times by 30%.
- Worked closely with stakeholders to refine software usability and enhance user experience.

## TECHNICAL SKILLS

Python	● ● ● ● ●
Java	● ● ● ● ●
Machine Learning & AI	● ● ● ● ●
Hadoop	● ● ● ● ●
Transformers (BERT, GPT, Hugging Face)	● ● ● ● ●
Agile (Scrum, Kanban), CI/CD, DevOps	● ● ● ● ●
Automation & Testing: Selenium, JUnit, Jest (for JavaScript)	● ● ● ● ●

## PROJECTS

### Banking Transaction Monitoring System

- Developed an AI-powered fraud detection system using **Spring Boot** and **AWS Lambda**.
- Implemented **XGBoost** and **deep learning models** to detect fraudulent transactions.
- Enhanced model recall, reducing false positives by 20%.

### Big Data Analysis Using Spark

- Processed large-scale datasets to derive insights for an **e-commerce platform**.
- Tools: PySpark, Hadoop.
- Outcome: Enhanced data processing efficiency by 40%, improving customer response times.

### Enterprise-Grade API Gateway

Developed a Spring Boot-based API Gateway for a financial services firm, optimizing response times and enhancing security with OAuth2 and JWT authentication.

## SOFT SKILLS

Problem Solving | Adaptability |  
Leadership & Mentorship | Analytical Thinking |  
Cross-Functional Collaboration |  
Effective Communication

## HOBBIES AND INTERESTS

Blogging | Chess | Photography |  
Travelling and Cooking | Reading Books |  
Video Games

## LANGUAGES

English | Hindi | Bengali