



Arka Sengupta

Software Engineer - Uber Technologies Inc. | B.E. (IT) - Jadavpur University

Experienced Software Developer with expertise in Python, Java & Gen AI - specializing in large-scale payment gateway systems. Skilled in Python automation, client integrations, product enhancements, and implementing security improvements across ReactJS (JavaScript) and Spring Boot (Java) applications.



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Bangalore, India



arkasengupta.github.io/Portfolio



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github.com/ArkaSengupta

SKILLS

Python

Java

React JS

JavaScript

Spring Boot

AWS

Machine Learning

Angular

Django

MySQL

AWS KMS

Big Data

Automation

Kubernetes

Docker

Git

Redis

Prompt Engineering

Generative AI

LLM

Cursor AI

Codex

Microsoft Power Automate

INTERESTS

Stock Market Analysis,
Portfolio Management &
Cryptocurrency Trading

Calisthenics

Chess

WORK EXPERIENCE

Software Development Engineer II Uber Technologies Inc.

09/2025 - Present

Hyderabad, India

- Building Uber's payment system for a global scale.

Associate Software Engineer PayU Payments Pvt. Ltd.

07/2023 - 08/2025

Bangalore, India

- Executed data encryption projects, integrating multiple AWS services into our Springboot projects, leading to a successful deal closure with a Fortune 10 client.
- Developed a Python Script to automate a data transformation assignment to transfer around 2.5 billion transaction data.
- Designed and developed a role based authorization functionality and an audit history management system for Admin portal (Java - Springboot).
- Built a Django application for backend authentication, integrated it with a Spring Boot backend and MySQL database, and deployed the solution on AWS for a new beta product.

Software Engineer Intern PayU Payments Pvt. Ltd.

01/2023 - 07/2023

Bangalore, India

- Resolved critical last-minute client onboarding issues by fixing several vulnerabilities and implementing comprehensive validation checks in React and Angular Dashboards with Spring Boot Backends.
- Conducted thorough troubleshooting and implemented multiple fixes to address integration challenges with third-party software.

CERTIFICATES

Harvard Business School Online - The Credential of Readiness (01/2025 - 07/2025)

- Financial Accounting | Economics for Managers | Business Analytics
- Passed with Honours

EXTRA CURRICULAR ACHIEVEMENTS

National School Chess Champion U-17 (2018)

World School Chess Championship U-17 Top 22 Qualified (2018)

National University Teams Chess Champion (2019)

EDUCATION

Bachelors in Engineering - Information Technology Jadavpur University

06/2019 - 05/2023

First Class With Honours

- Received Honours in Automata and Compiler, Big Data, Network Security, Pattern recognition and Application, Data Science, NLP and Text Mining.
- Completed a research paper on "A Deep Learning based Framework for Detecting Depression from Electroencephalogram biomarkers".