Arka Sengupta

Software Engineer - PayU Payments | B.E. (IT) - Jadavpur University

Experienced Software Developer with in depth knowledge of a large payment gateway. Proficient in Python Scripts, fixing software vulnerabilities, product improvements and security enhancements.

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📍 Bangalore, India

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○ github.com/ArkaSengupta

SKILLS

Python AWS

React JS JavaScript

Spring Boot Java

Machine Learning

Angular Django

MySQL AWS KMS

NLP Matplotlib

Jupyter Notebook

Big Data ML

Data Science

WORK EXPERIENCE

Associate Software Engineer
PayU Payments Pvt. Ltd.

07/2023 - Present   *Bangalore, India*

Accomplishments

- Performed Data Encryption projects in a privacy compliant manner involving integration with AWS services like KMS(Key Management Service) and AWS Secrets Manager.
- 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 for the portal.
- Implemented an audit history management module in the portal.
- Performed several projects on client integrations.
- Successfully completed 350+ security enhancements and fixed several vulnerability issues detected by comprehensive security code review of the portals.
- Successfully completed several functionality enhancement projects.

Software Engineer Intern
PayU Payments Pvt. Ltd.

01/2023 - 07/2023

Accomplishments

- Made several improvements in React and Angular Dashboards with Spring Boot Backends.
- Resolved issues related to input validation and pagination.
- Fixed several vulnerabilities and performed several security enhancements.
- Performed several fixes related to third party software integration.

Machine Learning Intern
Perfios Software Solutions Pvt. Ltd.

01/2022 - 03/2022

Accomplishments

- Developed an error detection module in Python to evaluate the OCR output based on data and text-vector leveraging NLP (Natural Language Processing).

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**"

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)