# SRINJOY PAUL

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**Kolkata, India**
**Profiles: LinkedIn, Codechef**(4-star, 1821)**, Codeforces**(Pupil-1320)**, HackerRank, HackerEarth**

## EDUCATION:

➢ **Heritage Institute of Technology, Kolkata**
**Bachelor of Technology** (B. Tech) in **Computer Science and Engineering** (CSE)
August 2018 – August 2022
**DGPA:** 9.09/10

➢ **Dum Dum Kishore Bharati High School**
2009 – 2017
**XII:** 84.2%
**X:** 93.57%

## WORK EXPERIENCE:

➢ **Software Development Engineer (SDE) 1** at **Amazon**
July 2022 – November 2023

- Developed a data pipeline for the **Amazon Music** application, enabling the storage of incoming **Customer Report** data and facilitating advanced analysis. Leveraged a range of **AWS** technologies, including **DynamoDB** (NoSQL data store), **SNS** (Pub/Sub based notification service), **SQS** (message queuing service), **Kinesis Firehose** (near real-time streaming ETL), **AWS Lambda** (serverless computing service), **Redshift Spectrum** (SQL data store), **S3** (storage), **Glue** (ETL solution), **Athena** (Data query) and **CloudWatch** (monitoring and analysis) to enhance content and optimize customer experiences. Used **Java** and **TypeScript** for backend. Every day, this pipeline ingests **more than 7000** reports, handling around **10 TPS** at times.
- Improvement to **Music Supply Chain** by adding DDEX MEAD 1.1 support to enable Music Vendors and suppliers to provide relevant **Metadata** related to **Albums**, **Tracks, Playlists** to improve search and suggestion experience for customers.
- Developing mechanism to detect albums and tracks having close launch date but not having all the assets with them ready for publishing. Reduced Operation Managers' manual effort by implementing automated jobs scheduled in daily cadence, takes care of notifying high priority releases, escalations, take downs in case of SLA failure, auto resolving tickets when met expected assets and undo takedowns. This automation auto-resolves **more than 400** cases per week, reducing manual effort of at least **100** hours weekly.
- Front-end changes using **JavaScript** and **React**.
- Writing unit tests, integration tests for CI/CD.
- Resolving several issues and bugs in the system, reviewing code, design.

➢ **Software Development Engineer (SDE) Intern** at **Amazon**
January 2022 – June 2022

## B. Tech PROJECT:

➢ **Personality Detection from Text**: Based on the texts written by a person, the goal is to classify the personality traits (Extraversion, Agreeableness, etc) of that person. Python, Numpy, Pandas, Sklearn, Keras, Tensorflow are used.

## TECHNICAL SKILLS:

Java, Python, C++, C, MySQL (RDBMS), AWS technologies, Cloud, Software Engineering – SDLC, Code testing mechanisms, Data Structures, Object Oriented Programming, Problem Solving

## FAMILIAR WITH:

JavaScript, TypeScript, React, Oracle DB, Linux, Django, HTML5, CSS3, XML, Git (Version Control System), API, Cloud computing, Big Data, Spring Boot, Maven, Hibernate, Microservices Architecture, Jira

## POSITION OF RESPONSIBILITY:

**Cultural Secretary,** Students' Council of Heritage Institute of Technology
January 2020 – August 2021

## ACHIEVEMENTS:

➢ Secured **3092nd** position in **Google Code Jam 2022 Round 1**
➢ Secured rank **742rd** / 34588 in **Facebook Hacker Cup 2021 Qualification Round**
➢ Secured **2671st** position in **Google Kick Start 2021 Round D**

## LANGUAGES KNOWN:

English, Hindi, Bengali