

# PURBENDU HALDER

Kolkata, West Bengal

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## Education

### Jadavpur University

Bachelor of Engineering (CGPA of 8.43)

2020 – 2024 (expected)

Kolkata, India

### Indian Institute of Technology, Madras

Bachelor of Science in Programming and Data Science (CGPA of 8.24)

2020 – 2024 (expected)

Distance Learning

## Experience

### Razorpay

June 2023 – August 2023

Software Development Engineer, Intern | Technology: Python, CI/CD, AWS S3, API

Remote

- Automated EoL library and Docker image management via **Github Actions (CI/CD)** for **DevSecOps**. Streamlined JIRA ticket handling, enhancing **Slack notifications** and **S3 data sync**. **Reduced manual effort by 95%**, ensuring accurate **management of 200+ JIRA tickets** for timely issue resolution.
- Implemented **cronjob to handle active Pingsafe issues**, integrated it with **Bhadra** (Razorpay's internal vulnerability management tool) and **JIRA** for real-time tracking, creation, updates, and deletion of corresponding tickets **enabling it as centralized vulnerability management**, ensuring prompt issue resolution.
- Created a Slack bot and integrated it with ChatGPT and neo4j database** to access Security-Cartography data across the organisation in an efficient and user-friendly manner.

## Coding Profiles

Guardian at [LeetCode](#): Highest Rating - **2190**.

Expert at [Codeforces](#): Highest Rating - **1616**.

Rated 4\* at [Codechef](#): Highest Rating - **1931**.

## Achievements

- [Google Kickstart 2022](#): Round E: **Global Rank 1032** and **All India Rank 723**.
- [Global Rank 63](#) (**University Rank 1**) in Round 2 and [Global Rank 385](#) among 100k+ participants in Round 1 of **TCS Codevita Season 11**.
- Among the **Top 1.15% Globally** on [LeetCode](#).
- [Global Rank 405](#) and **All India Rank 25** among 21k+ participants in Leetcode Weekly Contest 347.
- [Global Rank 468](#) and **All India Rank 71** among 22k+ participants in Leetcode Biweekly Contest 105.
- [Global Rank 507](#) and **All India Rank 52** among 23k+ participants in Leetcode Biweekly Contest 84.
- [Global Rank 556](#) among 17k+ participants in Codeforces Round 820.

## Projects

**TicketShow-A Movie Ticket Booking App** | *Flask, VueJS, Celery, Redis, SQLite3, HTML, CSS* | [Live Link](#) | [Github](#)

- Implemented secure user authentication with role-based access control for admin and user login/logout, including a validated sign-up process.
- Engineered an admin-controlled platform for venues and shows with unique attributes, dynamic details, multi-ticket booking, show ratings, daily reminders, automated monthly analytics, and cached REST APIs for efficient data retrieval.

**BlogOne** | *Python, Flask, Jinja2, MySQL, HTML5, CSS, Bootstrap* | [Link](#)

- Developed a website where everyone can read and publish their own blogs using MySQL, Flask for back-end and HTML, CSS, Bootstrap, Jinja templating for front-end
- Designed an Admin Panel for post management, including creation, updates, deletions, and blog review for publishing.

## Technical Skills

**Programming Languages:** C++, Python, SQL, Java, JavaScript, YAML

**Data Structures and Algorithms**

**Coursework:** **Linux Commands, Operating System, Machine Learning-** Optimisation, Supervised Learning (Regression, Classification) and Unsupervised Learning (Clustering, Estimation)

**Object Oriented Programming (OOP)**

**Database Management System (DBMS)**

**Databases:** MySQL, PostgreSQL, SQLite

**Frameworks:** Vue.js, HTML, CSS, Bootstrap, Jinja2, Flask

**Tools and Technologies:** Docker, Git, GitHub, GitHub Actions