

SHREYA PAUL

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Education

Bachelor of Technology in Computer Science & Engineering (CSE)

2019 – 2023

Jalpaiguri Government Engineering College, West Bengal, India

CGPA : 8.66 /10

Senior Secondary Examination (Class XII) CBSE Boards

2018

Hem Sheela Model School, West Bengal, India

Percentage : 86%

Experience

Database & Data Engineering

Feb 2023 – Present

Celebal Technologies

Pune, India

- **Developed** and executed data processing **workflows** in Databricks, resulting in a **30% increase in efficiency** for managing **large datasets** and **ETL processes**.
- **Implemented** Azure Databricks to **Import and Export** files, allowing for **seamless Integration** with other tools and systems. Managed over **500+ files**, ensuring accurate data storage and retrieval.
- Created **comprehensive project reports** that detailed the **Data processing** and **analysis workflows** using **Databricks pipelines**. These reports were crucial for stakeholders, helping them make informed decisions, which, in turn, **improved project efficiency by 15%**.

Software Engineer

June 2022 – Dec 2022

Acciojob

Remote

- **Led a 10-member team** in developing a comprehensive Placement course on **Data Structures**, meticulously curating coding questions of **varying difficulty levels** (Easy/Medium/Hard). Designed **optimal solutions**, relevant edge-cases, and test-cases for each problem.
- Collaborated with the **Back-End Team** to streamline the **setup of live-coding contests**, overseeing question uploads, test runs, and **real-time issue resolution** to ensure smooth contest execution.

Projects

Face Recognition using Machine Learning | [Github Repo](#)

Jan 2023 - July 2023

- This **Machine learning** Project is used for detecting and recognizing faces efficiently. The project uses advanced techniques and **algorithms** to **extract facial features** and **train the model** on large datasets.
- Convolutional Neural Network (CNN) Algorithm is used to train the model on large datasets of facial images to learn distinctive features and patterns for **accurate identification**.
- The system has achieved an **accuracy rate of 95%** demonstrating its ability to **correctly identify** and match faces from the VGG16 Faceset using ResNet-34 Architecture

JWOC: JGEC Winter of Code 2022 | [Website Link](#)

Nov 2021 – April 2022

- Developed and maintained a **full stack** web application, utilized creative design elements and innovative **features** to increase user engagement on the JWOC website, resulting in a **30% increase** in overall site traffic.
- Collaborated with the **backend team** to **integrate a robust database system** into the website, ensuring seamless functionality and **efficient** data management.

Skills

- * **Languages & Web Technologies:** C/C++, Python, HTML5/CSS3, JavaScript, NodeJS
- * **Frameworks & Libraries:** PySpark, Git/GitHub, Databricks, Apache Spark
- * **Big Data & Database Management Tools:** SQL/NoSQL, Database Management System (DBMS), Microsoft Azure
- * **CourseWork:** Data Structure & Algorithm(DSA), Object Oriented Programming(OOPs), System Design & Testing
- * **Soft Skills:** Communication Skills, Teamwork & Collaboration, Problem-solving ability, Time Management

Achievements

- * **Databricks Certified Data Engineer Associate:** Cleared the Examination with **95.55%** ([Certificate Link](#))
- * Secured a position in the **Top 30 in India** among all Female Participants in CodeChef SnackDown 2021
- * Secured All India Rank **AIR 8** in InCode 2021 Online Coding Contest in CodeChef.
- * **LeetCode:** Solved over 350+ Problems ([Profile Link](#))
- * **CodeChef:** Highest Rating: 1698 ([Profile Link](#))
- * Secured **1st** position in Intra-College **Innovation Challenge** 2019, Jalpaiguri Government Engineering College
- * All India Joint Entrance Examination (**JEE Mains**): Secured **AIR 31,293** with a **Percentile Score** of **97.16**

Position of Responsibilities

- * **Secretary** of Divide&Conquer, JGEC (Coding Community of the College)
- * **Finance Head** of Entrepreneurship Development Cell, JGEC
- * **Technical Head** of Center for Innovation, JGEC (Technical Club of the college)