



SUBHRANIL KARMAKAR

Programmer Analyst and Back End Developer

I am a hardworking fresher who is always up for learning new things. I am a strong believer in hard work and believe that if we expand our knowledge spectrum through hard work, the luck factor can be minimized. My life goal is to contribute to society through technology and to be a part of something that will pave the way for the future.

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EDUCATION

B. Tech. Computer Science and Systems Engineering

Kalinga Institute of Industrial Technology

07/2020 - 06/2024

CGPA - 9.03

Central Board of Secondary Education (CBSE) Class 12

Apeejay School, Kolkata

04/2019 - 06/2020

Percentage - 84.2

Indian Certificate of Secondary Education (ICSE)

ST Francis Xavier School, Kolkata

04/2017 - 06/2018

Percentage - 90

WORK EXPERIENCE

Programmer Analyst Trainee Cognizant Technology Solutions

09/2024 - Present

Kolkata, India

Achievements/Tasks

- Working as a Backend Developer in Python as a contributor to an Internal Proof of Concept.
- Trained on Tetra Science, a product that harmonizes data from any instrument or application into meaningful information that can be used for data analysis later on.

SKILLS

Python

SQL

Java

Postman

JSON

XML

HTML

CSS

Java Script

System Design

Cache

DSA

OOP

React JS

GitHub

AWS

HTTP

PERSONAL PROJECTS

User Specific Expense Tracker (12/2024)

- This application allows each user to log in or register and track their expenses by the amount credited and debited.
- It features a three-tier architecture: Database: MySQL, Backend: Python Flask, Frontend: HTML, CSS, JavaScript.

Grocery Store Management (03/2024 - 05/2020)

- The application includes different login options for admins and users, allowing for tailored access and functionality. Additionally, it features a trained chatbot to assist users with their queries and tasks.
- It features a three-tier architecture: Database : MySQL, Backend : Python Flask, Frontend : HTML, CSS, JavaScript.

Convert Master (11/2024)

- This application allows users to convert JSON or XML files to JSON, XML, or CSV formats. Users can upload the required file and download the converted one.
- It features a three-tier architecture: Database : MySQL, Backend : Python Flask, Frontend : HTML, CSS, JavaScript.

LRU Cache Visualizer (02/2025)

- The web application helps users understand how the Least Recently Used (LRU) cache mechanism works. It demonstrates how search values are managed in the cache and how the system interacts with the database when a value isn't found in the cache.
- It features a three-tier architecture: Database : MySQL, Backend : Python Flask, Frontend : React JS.

CERTIFICATES/ACHIEVEMENTS

Amazon Web Services (AWS): AICTE NEAT, AWS Academy Graduate

Solved Around 300 LeetCode Problems

LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency

Bengali

Native or Bilingual Proficiency