ARKA PRATIM GHOSH

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EDUCATION

B.Tech in Computer Science and Engineering, **Techno Main Salt Lake (CGPA: 9.26)** 09/2021 - 06/2025
Relevant Courses: Data Structures and Algorithms, Computer Organization and Architecture, Operating Systems, Object-Oriented Programming, Computer Networks, Database Management Systems, Distributed Systems, Microsoft Azure Fundamentals, AWS Cloud Practitioner.

Council for Indian School Certificate Examinations, Pramila Memorial Institute
ISC: 94.75%   07/2021   **ICSE: 96.6%**   05/2019

SKILLS

Technical Skills	Core Java, C, Python, Swing, JavaFX, HTML, CSS, Bootstrap, Tailwind CSS, JavaScript, ReactJS, NextJS, NodeJS, SQL, JDBC, Supabase, Postman, Shell Scripting.
Software Tools	VS Code, Eclipse, Vim, Windows, Ubuntu, GitHub, Oracle Database XE 11g, XAMPP, StarUML, Dia, Docker, RapidMiner.
Languages	English, Bengali, Hindi.

EXPERIENCE

Altair Data Science Master Virtual Internship *Eduskills*   05/2024 - 06/2024
- Fulfilled the internship, adeptly utilizing RapidMiner for data processing across one main dataset.
- Mastered Track 3 and 4 on Data Engineering and Machine Learning covering the basics.
- Accomplished 7 certification exams on topics covering basics, data engineering, machine learning, and activities as platform administrator in RapidMiner.

PROJECTS

Personal Portfolio Website (Visit here) [GitHub Repository] :
- Launched a visually stunning portfolio using a combination of HTML5, CSS3, Bootstrap5, JavaScript, Typed.js for animated typing effects.
- Addressed functionality to open terminal web page in another browser and utilized LocalStorage API to store visitor's preferred theme for later visits.
- Incorporated AOS animation v3.0.0 for smooth transitions, tilting components using vanilla tilt JavaScript library.

LocalFrame (Photo Gallery Web Application) (Visit here) [GitHub Repository] :
- Spearheaded one comprehensive full stack software solution to store and view photos of users.
- Executed JavaScript, Next-js 14, Tailwind-CSS, and Supabase to create a robust project for handling and organizing users' data for authentication and privacy of more than 10 users.
- Administered effective user policies in SQL, added automatic refresh of website and lightweight user interface using MaterialUI Version 5.

PlayNet (Video Streaming Web Application) (Visit here) [GitHub Repository] :
- Introduced a YouTube clone web application using HTML5, CSS3, JavaScript, JSX (version 4.2), ReactJS (version 18.0), and React Router DOM to offer users an immersive video browsing experience.
- Revamped the user interface of the application using Material UI, ensuring one polished and intuitive design.
- Integrated YouTube API v3 seamlessly from RapidApi and coordinated usage into the application to provide users with a smooth video browsing experience and 100% up-time content discovery capabilities.
- Designed to emulate the fundamental features of YouTube, the application allows users to search for videos with rate-limited fetching of the latest 20 videos, ensuring familiarity and efficient browsing akin to the original platform.

ACHIEVEMENTS

- Achieved AZ-900 (Azure Fundamentals) certification in Microsoft Azure with a score of 814.
- Ranked 9 among college mates on Geeks-For-Geeks, reflecting programming proficiency.
- Demonstrated coding expertise with a rating of 1953 (Knight) and a global rank of 17401 on LeetCode.
- Composed GitHub repositories on assignments in college semesters that received more than 40000 views.
- Achieved a rank of 2993 in WBJEE and an AIR (All India Rank) of 40316 in JEE Main.