

KSHITIZ RAJ

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Education

SRM Institute of Science & Technology, Kattankulathur 2020 - 2024
B.Tech in Computer Science & Engineering 9.05/10 CGPA

Delhi Public School 2019 - 2020
All India Senior School Certificate Examination (12th) 90.20%

Delhi Public School 2017 - 2018
All India Secondary School Examination (10th) 88.4%

Work Experience

Barclays Bank PLC June 2023 – August 2023
BA3 Intern On-site

- Developed automation using **Python** for server-side management that saved **5 Hours of work weekly**.
- Worked and understood the platform **ElasticSearch (ELK)** and made various **Dashboards** for application data.
- Made **Watchers** on ElasticSearch that can alert and update the status of application via mail.
- Worked under the Portfolio project management team (Navigator).

Samsung Prism December 2022 – July 2023
Research Intern Remote

- Researching **Blockchain** technology and Non-Fungible Twins to combat counterfeit activities.
- Created and implemented **smart contracts** to ensure authenticity and traceability of products.

Technical Skills

Languages: Javascript, C++, C, Python, Java, Shell Scripting, Rust

Frontend: React.js, HTML, CSS, Tailwind, Recoil.js

Backend: Express, Flask, JWT, Zod

Cloud & Databases: MongoDB, MySQL

Web Technologies: Axios, Fetch

Developer Tools: Postman, VS Code, GitHub, PyCharm, Notion

Projects

Stream-Server April 2024

- * Made a **Streaming app** using **Express** in **Javascript** that stream on Local server.
- * Integrated Error handling and logging of data.
- * Supports streaming to **multiple users** at once without lag.
- * Can also be used as a **File Transfer app** as it can transfer all kinds of file.

Tic-Tac-Toe November 2022

- * Developed a multiplayer Tic-Tac-Toe game with **TCP/IP** socket programming for seamless online gameplay.
- * Enabled players to compete against each other by establishing socket connections for real-time moves.

Instagram-DM-Bot September 2021

- * Developed an automated Instagram DM bot using **Selenium** to send personalized messages to multiple users.
- * Created a Python script utilizing Selenium to automate the process of sending customized direct messages on Instagram, optimizing outreach efforts.

Certifications

- Completed NPTEL Course on **Data Science** for Engineers.
- Completed **Red Hat Enterprise Linux** Fundamentals course.
- Quark Summer Projects: Introduction to **Blockchain**.
- Quark Summer Projects: **MATLAB** and its Application in Robotics.