Utkarsh Pal

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Education

SASTRA Deemed University	Expected May 2025
Bachelor of Technology in Information and Communication Technology	*Thanjavur, Tamil Nadu*
Rani Laxmi Bai Memorial School	2019 - 2020
12th grade CBSE	*Lucknow, Uttar Pradesh*

Projects

Youtube Playlist Analysis   *ReactJS, NextJS, Web Scraper, Data Analytics*
- **Developed a YouTube Playlist Analysis Tool:** Built a full-stack application using ReactJS, NextJS, and then used a web scraper to fetch and display video metadata dynamically.
- **Enhanced User Experience:** Designed a responsive and user-friendly interface with features like analyzing view counts, trends, engagement, and growth.
- **Deployed on Cloud:** Deployed the application on the Railway cloud platform using Docker to ensure scalability and accessibility.

ColdMailer   *Node.js, Postman, Nodemailer, Express.js*
- **Automated Cold Mailing:** Developed an application to automate and ease up the process of cold mailing.
- **Efficient Mailing:** Provided a feature to automatically send cold emails without opening the mailing application.
- **Improved Productivity:** Reduced time spent on cold mailing by over 80%, alongside being extremely customizable.
- **Tech Stack:** Node.js, Postman, Nodemailer, and Express.js.

Sales Insights from Netflix Dataset   *SQL,Python,Pandas,Numpy*
- Jupyter Notebook was written in Python that connected with **MySQL** to get required sales data to perform exploratory data analysis (EDA).
- **Data cleaning and transformation** was done using NumPy and Pandas. For data visualization, the Seaborn Python module was used.
- This insights solution helped the business get answers to bussiness questions such as sales comparison ,highest selling product region wise revenue wise etc.

Technical Skills

Related Coursework: Object-Oriented Programming, Database Management System, Computer Networks, Operating Systems, SDLC, Agile Methodologies, Big Data, Machine Learning, Software Engineering
Programming Languages: C, C++, Python, SQL, Java , JavaScript
Frameworks and Tools: ReactJS,NodeJS, Pandas, MySQL, Git, HTML, CSS, Data Structures

Awards and Certifications

Attained a **highest rating of 1540 on LeetCode** (Link).

Finalist in the Tech Trek Hackathon.

Secured **3rd Position** in the AlgoZenith Intra-college Coding Contest oraganized by ACE Sastra.

Earned the **SQL 50** certification by LeetCode.

Earned a position in the **top 20** in Cyberlabs Winter of Codes.

Organizational and Volunteer Experience

DAKSH-Workshop	Jul 2022 - June 2024
Organizational and Team Work	*SASTRA University*

- Organized a technical workshop by inviting guest speakers and selecting relevant domains, resulting in a significant increase in attendance.
- Gathered feedback from participants to identify areas for improvement in future events.