# Anushka Roy

Roll No.:1JS20IS023
B.E.-Information Science Engineering
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## EDUCATION

- **JSS Academy of Technical Education, Bengaluru** *2020-2024*
  *B.E in Information Science [VTU]* — CGPA: 8.2

- **St. Joseph Public School, Kota** *2019*
  *12th Boards [CBSE]* — Percentage: 78.4

## EXPERIENCE

- **Software Developer intern | iMHxAppsForBharat** *Sep'24-Present*
  - Engineered a robust system translating traditional **astrological logic** into efficient mathematical algorithms.
  - Integrated a two-tier **NLP framework**—one to transform tabular astrology outputs into descriptive narratives, and another to converse naturally with end users.
  - Built **SQL**-based solutions with hardcoded logic for astrological rules ensuring accurate rule-based computations.
  - Simplified complex **Planetary-Nakshatra Combinations** workflows for accurate, real-time predictions at scale.
  - Deployed **caching**, **testing**, and **validation** pipelines to ensure system reliability, rapid response times, and optimal performance.

- **Data Analyst intern | InternQ** *Jul'24-Aug'24*
  - Developed data models using **Python** and **SQL**, enabling precise predictions and informed data-driven decisions.
  - Administered databases and executed SQL queries,utilizing Excel with **macros** and **pivot tables** for auto analysis.
  - **Enhanced Tableau dashboard performance by 20%,** ensuring accurate and reliable data visualization.

- **Software Developer intern | iMHxMotion** *Jan'24-Mar'24*
  - Strategically utilized **Flutter** framework for developing an advanced, user-focused, efficient frontend interface.
  - Integrated backend built on Flask efficiently with the frontend with proper **error handling** for better UX.
  - Transcribed YouTube videos with **Google Dialog Flow** and used **GPT-4** for Q&A pair creation in model training.

## KEY PROJECTS

- **VidConnect: Real-time Video Call App | WebRTC, ReactJS, ExpressJS**
  - Implemented WebRTC for **real-time communication**, enabling simultaneous high-quality video calls in rooms.
  - Designed an **intuitive user interface** using **React.js**, offering features such as room creation and join.
  - Developed the ability to create **multiple instances** of rooms, ensuring a clear distinction between individual rooms using **ExpressJS**.

- **iNotebook | ReactJS, MongoDB, NodeJS, ExpressJS**
  - **Built a secure** Note management website using **MERN** stack. Implemented **JWT** authentication and **bcrypt** password hashing. Protects user data with end-to-end measures, ensuring confidentiality and integrity.
  - Utilized **Git** version control and effectively harnessed **MongoDB** as the database for storage of user information.

- **NewsWave | ReactJS**
  - Developed a website which fetches news articles from an **API**, using newsapi.org with features like Infinite scroll to load more news articles as the user scrolls and routing to navigate between different sections of the website.
  - Utilized cutting-edge technologies such as **React** and **Material UI** to provide users with exceptional experience.

- **Canteen Management System | HTML, CSS, MySQL, PHP**
  - Developed a web-based application that aims to simplify and automate the daily operations of a canteen.
  - Built using PHP as the programming language, **MySQL** as the DBMS, **HTML** and **CSS** for the user interface design.

## TECHNICAL SKILLS AND INTERESTS

**Languages**: C++ | JavaScript | Python | HTML | CSS | MongoDB | MySQL
**Developer Tools**: VS Code | GitHub | MS Excel | Power BI
**Frameworks Libraries**: ReactJS | NodeJS | ExpressJS | Flutter
**Areas of Interest**: DSA | Web Development (MERN Stack) | Web Design | UI/UX

## POSITIONS OF RESPONSIBILITY

- **Marketing Executive | VERVE | Cultural Fest JSSATE** *2022-2024*
- **Hospitality Head | Samyog | TechFest JSSATE** *2021-2023*

## EXTRA-CURRICULARS

- Completed **Power BI** domination workshop by Jatan Shah at Skill Nation. *Aug'24*
- Presented paper at **NCAIT** conference on **Consumer Trend Analysis.** *May'23*
- Completed the **JavaScript and ReactJS Bootcamp** certification at DevTown. *Jul'22*