

SRIJAN MONDAL

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EXPERIENCE

System Engineer - Full time

Tata Consultancy Services

Nov 2024 - present

Kolkata, West Bengal

- Developing and maintaining TCS BaNCS, a core banking software suite, with a focus on resolving premium-related issues and optimizing EMI processing components to enhance financial operations and system efficiency.
- Resolving 50% of premium-related production issues daily, reducing overall ticket backlog by 30%, ensuring seamless business operations and strict SLA adherence.
- Improved the EMI processing components by implementing 3+ change requests and 5+ service requests.
- Collaborating with clients and cross-functional teams to implement change requests efficiently within SLA, contributing to improved system stability.

TECHNICAL SKILLS

Programming Languages

Java, JavaScript, Typescript, Python, HTML, CSS, SQL

Frameworks & Libraries

Next.js, React.js, Node.js, Tailwind CSS, Numpy, Pandas

Python Scripting & Automation

Databases

MySQL, MongoDB, Prisma

Fundamentals

Data Structures and Algorithms, Object Oriented Programming, System Design

PERSONAL PROJECTS

OTT Streaming Platform([link](#))

Developed a full-stack OTT platform web application using Next.js for watching movies and shows, integrated with features like content browsing, Search functionality, Watchlist, etc.

- Engineered a fully responsive front-end UI using React.js, TypeScript, and Tailwind CSS, ensuring seamless cross-device compatibility.
- Integrated NextAuth with OAuth and Zod to implement secure, user-friendly authentication, including session management, form validation, and multi-provider sign-in support
- Engineered a scalable backend by integrating Prisma ORM with MongoDB for efficient user data management and implemented secure API routes using Next.js App Router to handle database interactions.
- Implemented dynamic content browsing and search functionality, allowing users to easily discover movies and shows.
- Integrated the TMDB API to fetch real-time movie and TV show metadata, enhancing content recommendations.

Weather Forecasting Website ([link](#))

Designed a weather forecasting website that provides real-time weather updates for the current day and the next five days based on user location.

- Designed a fully responsive weather application using HTML, CSS, and JavaScript. Integrated real-time weather APIs to fetch and display accurate weather updates dynamically.
- Engineered search functionality that allows users to retrieve weather forecasts for any city worldwide, improving accessibility and user engagement.

EDUCATION

BTech in Electronics and Communication Engineering, Techno Main Salt Lake, Kolkata

2020 - 2024

CGPA: 8.37/10

Higher Secondary, Laban Hrad Vidyapith, Kolkata

2018 - 2020

Grade: 85.20 %

EXTRA-CURRICULAR ACTIVITIES

1st Runner-Up, Emerge 4.0 [Departmental Hackathon, 2023]

Member, Ankuran(The Socio-Cultural Club, Techno Main Salt Lake)