

SAYANTANI DEB

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Experience

Tata Consultancy Services (TCS)

May 2025 – Present

Agentic AI Full-Stack Developer (LangChain, FastAPI, React, AWS)

Bangalore, India

- Built agentic AI systems using **LangChain**, **LangGraph**, and **LangSmith** with advanced workflow orchestration, observability, and multi-agent reasoning.
- Developed backend microservices in **FastAPI**, implementing task automation, vector search, and streaming chat pipelines.
- Built responsive AI UI experiences with **React.js**, integrating real-time agent outputs and context-aware interactions.
- Integrated **AWS Cognito** and **DynamoDB** for secure auth and scalable data persistence.

QuickBlox

May 2024 – March 2025

DevRel Engineer (React, QuickBlox AI, Shadcn)

Remote

- Optimized the **QuickBlox React UI Kit**, improving component modularity and reducing integration setup time by **20%**.
- Built applications showcasing QuickBlox **real-time chat**, **video calling**, and **AI features**.
- Delivered end-to-end AI chatbot integrations using **React**, **FastAPI**, **WebRTC**, and QuickBlox AI.
- Led complete migration of technical docs to **Mintlify**, rewriting architecture flows and code examples.
- Migrated and refined architectural documentation on **Mintlify**, improving clarity and developer onboarding.

Amazon

July 2023 – December 2023

Software Development Engineer Intern (Java, Spring MVC, React JS)

Chennai, India

- Developed authentication source deletion for subscription IDs, reducing testing overhead by **30%**.
- Implemented unified **Transaction ID** system, improving transaction accuracy by **40%**.
- Integrated widgets on Kindle E-ink displays, boosting engagement by **30%**.

Phaze

June 2022 – August 2022

Frontend Developer Intern (React, Tailwind)

Remote

- Improved UI performance and page load speed by **15%** with React + Tailwind optimizations.
- Delivered features on-time with strong **SCRUM** execution using JIRA.

Education

Siliguri Institute Of Technology

Nov 2020 – July 2024

Bachelor of Technology in Computer Science And Engineering

Siliguri, West Bengal

- **CGPA:** 9.19/10

Technical Skills

Languages: Java, C, Python, React JS, SQL

Framework: NextJS, ReactJS

Database: OracleDB, MongoDB, Firebase

Backend: Node Js, Express Js, Springboot, Spring MVC,

Developer Tools: VS Code, IntelliJ Idea, Google Cloud Platform(GCP), Azure, Amazon Web Services(AWS), git

Projects

Smart-hire [GitHub](#)

May 2025 – June 2025

React + Tailwind • Diverse Team Builder Dashboard

- Built responsive dashboard with candidate filtering, smart scoring, and automated diverse team selection.
- Added real-time **Diversity Score** with alerts and exportable reports.

Leadership/Achievements

- **Microsoft Learn Student Ambassador (Microsoft):** Built **Safety Pins prototype** for Social Impact League, optimizing navigation safety for women.
- Awarded the 2023 Linux Foundation Training (**LiFT scholarship**).
- Selected as **Microsoft Engage Mentee 2022** among 100K+ applicants.