

# SAYANTANI DEB

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## Experience

<b>Tata Consultancy Services (TCS)</b> <i>Agentic AI Full-Stack Developer (LangChain, FastAPI, React, AWS)</i>	<b>May 2025 – Present</b> <i>Bangalore, India</i>
<ul style="list-style-type: none"><li>Built agentic AI systems using <b>LangChain</b>, <b>LangGraph</b>, and <b>LangSmith</b> with advanced workflow orchestration, observability, and multi-agent reasoning.</li><li>Developed backend microservices in <b>FastAPI</b>, implementing task automation, vector search, and streaming chat pipelines.</li><li>Built responsive AI UI experiences with <b>React.js</b>, integrating real-time agent outputs and context-aware interactions.</li><li>Integrated <b>AWS Cognito</b> and <b>DynamoDB</b> for secure auth and scalable data persistence.</li></ul>	
<b>QuickBlox</b> <i>DevRel Engineer (React, QuickBlox AI, Shadcn)</i>	<b>May 2024 – March 2025</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Optimized the <b>QuickBlox React UI Kit</b>, improving component modularity and reducing integration setup time by <b>20%</b>.</li><li>Built applications showcasing QuickBlox <b>real-time chat, video calling, and AI features</b>.</li><li>Delivered end-to-end AI chatbot integrations using <b>React</b>, <b>FastAPI</b>, <b>WebRTC</b>, and QuickBlox AI.</li><li>Led complete migration of technical docs to <b>Mintlify</b>, rewriting architecture flows and code examples.</li><li>Migrated and refined architectural documentation on <b>Mintlify</b>, improving clarity and developer onboarding.</li></ul>	

<b>Amazon</b> <i>Software Development Engineer Intern (Java, Spring MVC, React JS)</i>	<b>July 2023 – December 2023</b> <i>Chennai, India</i>
<ul style="list-style-type: none"><li>Developed authentication source deletion for subscription IDs, reducing testing overhead by <b>30%</b>.</li><li>Implemented unified <b>Transaction ID</b> system, improving transaction accuracy by <b>40%</b>.</li><li>Integrated widgets on Kindle E-ink displays, boosting engagement by <b>30%</b>.</li></ul>	

<b>Phaze</b> <i>Frontend Developer Intern (React, Tailwind)</i>	<b>June 2022 – August 2022</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Improved UI performance and page load speed by <b>15%</b> with React + Tailwind optimizations.</li><li>Delivered features on-time with strong <b>SCRUM</b> execution using JIRA.</li></ul>	

## Education

<b>Siliguri Institute Of Technology</b> <i>Bachelor of Technology in Computer Science And Engineering</i>	<b>Nov 2020 – July 2024</b> <i>Siliguri, West Bengal</i>
<ul style="list-style-type: none"><li>CGPA: 9.19/10</li></ul>	

## Technical Skills

<b>Languages:</b> Java, C, Python, React JS, SQL <b>Framework:</b> NextJS, ReactJS <b>Database:</b> OracleDB, MongoDB, Firebase <b>Backend:</b> Node Js , Express Js, Springboot, Spring MVC, <b>Developer Tools:</b> VS Code, IntelliJ Idea, Google Cloud Platform(GCP), Azure, Amazon Web Services(AWS), git	<b>May 2025 – June 2025</b>
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## Projects

<b>Smart-hire GitHub</b> <i>React + Tailwind • Diverse Team Builder Dashboard</i>	<b>May 2025 – June 2025</b>
<ul style="list-style-type: none"><li>Built responsive dashboard with candidate filtering, smart scoring, and automated diverse team selection.</li><li>Added real-time <b>Diversity Score</b> with alerts and exportable reports.</li></ul>	

## Leadership/Achievements

<ul style="list-style-type: none"><li><b>Microsoft Learn Student Ambassador (Microsoft):</b> Built <b>Safety Pins prototype</b> for Social Impact League, optimizing navigation safety for women.</li><li>Awarded the 2023 Linux Foundation Training (<b>LiFT scholarship</b>).</li><li>Selected as <b>Microsoft Engage Mentee 2022</b> among 100K+ applicants.</li></ul>	<b>May 2025 – June 2025</b>
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