

Arnab Saha

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EDUCATION

- Indian Institute of Engineering Science and Technology, Shibpur
Bachelor of Technology - Computer Science and Technology | CGPA: 7.51
Howrah, India
Nov 2020 - June 2024

EXPERIENCE

- PricewaterhouseCoopers (PwC)
Associate Consultant (Advisory Line Of Service)
Kolkata, India
Aug 2024 – Present
 - Global Assurance Portal:** Contributed to the development and enhancement of **PwC's Global Assurance Portal**, a key platform supporting global assurance workflows and collaboration.
 - API Refactoring:** Refactored real-time **WebSocket-based APIs** into efficient **RESTful APIs**, improving scalability and maintainability of backend services.
 - Impact:** Streamlined communication architecture and improved performance by transitioning to **RESTful architecture**, enhancing team productivity and client usability.
- Grevelops
Full Stack Web Developer
Remote
Mar 2023 – Apr 2024
 - Spot Garage Platform:** Developed and maintained the **full-stack web platform** for Spot Garage, including the Client, Vendor, and Admin Panels, enabling seamless service booking, vendor coordination, and centralized admin control.
 - Tech-stack:** Used **React, TypeScript, TailwindCSS, Node.js, Express, and MongoDB** to build scalable components with clean UI and RESTful APIs. Integrated third-party services and optimized application performance.
 - Impact:** Enhanced platform efficiency and **user experience**, leading to smoother operations and higher client satisfaction.
 - Proof of Work:** Certificate of Experience

PROJECTS

- CHAT APP – Real-Time Chat Application (React | TypeScript | Node.js | WebSockets | Express | Prisma):
 - Description:** Developed a **real-time web chat application** using WebSockets for messaging and notifications, with modern UI.
 - Real-Time Features:** Implemented real-time messaging with support for **chat rooms**, push notifications, and dynamic room creation/join/leave using WebSockets.
- Links:** [GitHub](#) [Live Demo](#) [Demonstration Video](#)
- BRAINLY – Full-Stack Content Sharing App (React | TypeScript | TailwindCSS | Node.js | MongoDB | Recoil):
 - Description:** Developed a full-stack web app for managing and sharing **tweets, videos, and links** with a modern UI.
 - Authentication:** Built secure **JWT-based authentication** and protected content APIs using Node.js, Express, and MongoDB.
 - Content Management:** Dynamic content features: **add, delete, filter, and preview** links (YouTube, Twitter).
 - Shareable Links:** Implemented **public/private toggling**, and unique URLs for shared content.
- Links:** [GitHub](#) [Live Demo](#) [Demonstration Video](#)
- DRAW TOGETHER – Real-Time Collaborative Whiteboard (Next.js | TypeScript | Prisma | WebSockets | Express | Turborepo):
 - Description:** Developed a **collaborative whiteboard** app that allows multiple users to draw on a shared canvas with real-time sync.
 - Real-Time Collaboration:** Enabled **room-based sessions** and drawing synchronization using WebSockets and Prisma.
 - Authentication & Architecture:** Secure authentication via **NextAuth**, with a modular **Turborepo** structure.
- Links:** [GitHub](#) [Live Demo](#) [Demonstration Video](#)

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900) [Certification Link](#)
- Microsoft Certified: Azure Administrator Associate (AZ-104) [Certification Link](#)
- Microsoft Certified: Azure Solutions Architect Expert (AZ-305) [Certification Link](#)

SKILLS

- Programming Languages:** Python, JavaScript, TypeScript, SQL
- Web Development:** React, Next.js, Node.js, Express, TailwindCSS, Prisma, MongoDB, PostgreSQL, WebSockets
- Cloud Technologies:** Microsoft Azure, Azure DevOps, Azure Kubernetes Service (AKS), Azure Functions, Azure Storage
- Tools and Frameworks:** Git, Docker, Vite, Jenkins, Terraform, Nginx, Cloudinary, Stripe, Clerk Authentication
- Other Skills:** Problem Solving, Agile Development, RESTful APIs, JWT Authentication, CI/CD Pipelines, Cloud Security