

Sayandeep Dey

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EDUCATION

Techno India University

Bachelor of Technology in Computer Science, Specialization in AI, GPA: 8.3

Kolkata, WB

Sept 2021 – Aug 2025

Krishnagar Academy

ISC, ICSE 90%, 94% respectively

Krishnagar, WB

Apr 2016 – Apr 2020

PROJECTS

HuddleX | *Next.js, Stream SDK, Clerk, Tailwind CSS*

Mar 2025

- Deployed a seamless video conferencing and collaboration platform, leveraging Stream SDK for real-time communication.
- Integrated user authentication via Clerk, ensuring secure and hassle-free access across devices.
- Optimized video streaming and UI responsiveness using Tailwind CSS and Next.js, delivering a smooth, lag-free experience with minimal load times.

Shoe Web Store | *React.js, Tailwind CSS, JavaScript*

Jan 2025

- Developed a responsive e-commerce landing page and showcased a curated selection of shoes, enhancing user engagement
- Implemented state management strategies to streamline performance and maintain consistency in styling

Cosmos Astralis | *React.js, NASA APOD API, Tailwind CSS, Netlify*

Nov 2024

- Delivered a web platform showcasing daily astronomy images directly sourced via the APOD API. Provided rapid access to over 1,000 unique celestial photos with detailed astronomical information
- Streamlined API calls resulting in a 30% reduction in load time and cross-device UI responsiveness, using Tailwind CSS, ensuring a seamless experience across devices

Typify Smart Mirror | *IoT, Node.js, Google Assistant API, Raspberry Pi, Spotify API, YouTube API*

Jul 2024

- Led a team of 5 people in building the project and won Technothon IoT Exposition 2024
- Highlighted leadership and teamwork skills by integrating Google Assistant, YouTube, Spotify, and other APIs to implement voice control, real-time video, audio streaming, and updates

Terraform Web App on AWS | *Terraform, VPC, IG, EC2, S3, ALB*

Nov 2023

- Automated infrastructure deployment cutting setup and deployment time by 70% and eliminating 90% of manual errors
- Optimized resource provisioning with cost-efficient EC2 instances, reducing cost expenditure by 15% including two subnets in different availability zones, an S3 bucket, IGs, route tables, and a Security Group

EXPERIENCE

Zscaler Zero Trust Cloud Security

Sept 2023 – Nov 2023

Zscaler

- Completed intensive 10-week virtual internship on Zero Trust security frameworks.
- Executed stringent access controls in cloud environments for Zscaler projects, securing over 200 user accounts by limiting permissions based on necessity while maintaining seamless operational efficiency throughout the organization.

TECHNICAL SKILLS

Languages: Java, SQL, TypeScript, JavaScript, HTML/CSS, and Terraform

Developer Tools: Node.js, Git, Tailwind CSS, AWS, Postman, Vim, MongoDB, PostgreSQL

Frameworks: React.js, Express.js, Next.js

CERTIFICATES

Google IT automation with Python Professional Certificate

Using Python to interact with OS, configuration management in the cloud, and Bash Scripting Sept 2023 – Oct 2025

AWS SAA C03 prep by Stephane Mareek

Understanding and mastering AWS concepts for the AWS Solutions Architect role and exam prep Oct 2023 – Jan 2024