

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

April. 2016 – April 2020

PROJECTS

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

December 2024

- Developed a dynamic space encyclopedia that fetches high-resolution photos, data, and detailed descriptions of NASA's Astronomy Picture of the Day (APOD) via its API.
- Designed an interactive, responsive user interface using Tailwind CSS, ensuring a seamless experience across devices, showcasing expertise in web development technologies

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

January 2025

- Developed a responsive e-commerce landing page showcasing a curated selection of shoes, enhancing user engagement.
- Implemented efficient state management and dynamic rendering in React.js, optimizing performance.
- Styled components with Tailwind CSS, ensuring a consistent and modern design across the platform.

TaskMaster | Express.js, React.js, MongoDB

September 2024

- Developed a full-stack task management application allowing users to manage, prioritize, and track tasks with due dates using Express, MongoDB, and React
- Implemented JWT-based authentication to ensure secure user login and session management

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

November 2023

- Created infrastructure for a web app using Terraform scripts saving 50% - 70% time during setup, deployment, and updates compared to manual process demonstrating my technical prowess in cloud operations
- A Virtual Private Cloud (VPC) is created with two subnets in different availability zones with Internet, route table, and a Security Group
- Provisioned an S3 bucket, two EC2 instances, and an ALB

Typify Smart Mirror | IOT, Node.js, Google Assistant API, Raspberry Pi, Spotify API, Youtube API

July 2024

- Led my team in building the project, and won Technothon IOT Exposition Jury's choice
- Integrated Google Assistant, Youtube, Spotify, etc APIs to implement voice control and provide real-time video, audio streaming, and updates. Showcasing versatility in developing solutions

EXPERIENCE

Zscaler Zero Trust Cloud Security

Sep. 2023 – Nov 2023

Zscaler

- 10 weeks of virtual internship on Zscaler
- Learnt and experienced about Zscaler zero trust architecture
- Implemented the principle of least privilege in cloud-native security models
- Reduced risk of breach and secured connections to cloud resources

TECHNICAL SKILLS

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

Developer Tools: Node.js, Git, Docker, Tailwind CSS, Amazon Web Services, Postman, Vim

Frameworks: React.js, Express.js

Databases: MongoDB, MySQL

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 AWS Solutions Architect role and exam prep Oct. 2023 – Jan 2024