ANSH SINGH

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Education

Indian Institute of Information Technology and Management	**August 2020 – May 2025**
Master's + Bachelor of Technology in Information Technology	*Gwalior, Madhya Pradesh*
Mary Gardiner's Convent School	**April 2018 – April 2020**
Class XII CBSE	*Lucknow, Uttar Pradesh*

Experience

PW | *React, NestJs, TypeScript, Mantine, Google Cloud Console*   **June 2023 - September 2023**
Full Stack Developer Intern

- Developed and implemented Jenkins pipeline to **automate** SonarQube analysis, test status, and Cobertura coverage report, resulting in a **37% reduction** in manual effort and faster feedback loop for the development team
- Integrated **Google Sheets** into the centre tracker app, enhancing batch management across centres and achieving **23% time savings**
- Engineered Studio App Tracker with streamlined scheduling and editing, incorporating **multiple filters** for efficient data retrieval, resulting in a **44% decrease** in manual workload
- Developed an innovative **poll widget** with four poll types, **increasing** engagement and interactivity during online classes

Projects

Crypto Hunter | *React, Material UI, Redux, ChartJs, Firebase*   **July 2022 - August 2022**

- Developed Crypto Hunter app for **real-time** tracking of cryptocurrency prices, market caps, and rankings
- Integrated **Google** and **email**, **password** login using **Firebase**
- Integrated **Chart Js** for better price **visualization** for crypto coins
- Implemented the currency **conversion**, **convertor** and **add-to-favourites** feature

Admin Dashboard | *React, Material UI, Redux, MongoDB, ExpressJs*   **December 2022 - January 2023**

- Designed Admin Dashboard for organizations to efficiently manage and track **key performance indicators**
- Used the Nivo Charts for better **visualization** of the data
- Utilized MongoDB for **data storage**, employed **RTK query** for **data retrieval**, and ensured efficient caching
- Leveraged MongoDB Aggregations to **optimize** and streamline database **querying** processes

MiniMart | *React, Tailwind, Redux, ExpressJs*   **December 2022 - January 2023**

- Designed Integration to seamlessly incorporate **third-party services** for diverse functionalities
- Harnessed the capabilities of **Twilio** SMS API to guarantee the secure delivery of OTPs to designated mobile numbers
- Employed **Stripe** Payment Gateway to facilitate smooth payment processing for items in the cart during checkout
- Used **redux toolkit** to manage the global state of the cart and the products

FestVista | *React, Mantine, Redux, TypeScript, NestJs*   **July 2023 - August 2023**

- Developed a website displaying **holidays** based on user's **country** and **subdivision**
- Employed NestJS to craft API for fetching holidays per country and subdivision
- Engineered NestJS API to provide **workday counts** within specified date ranges
- Created frontend using **Mantine** and managed global state using **Redux Toolkit**

Technical Skills

Languages: React, NestJs, TypeScript, Mantine, Google Cloud Console
Developer Tools: VS Code, Postman, Github, Git
Technologies/Frameworks: Jenkins, ReactJS, ExpressJs, Redux Toolkit, Tailwind, MongoDB, PostgreSQL

Extra Curricular

Achievements

- **Runner up** in Smart India Hackathon Internals
- Secured global rank of **2982** out of **10k+** teams in Google Hash Code
- Achieved global rank of **3175** among **30k+** participants in Codeforces

Participation

- Improvised **five** articles on GeeksForGeeks platform