MANITA GUPTA

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A Software Developer with experience in full-stack web development, I intend to build my career with leading corporate of hi-tech environments with committed and dedicated people which encourages my creativity and offers an opportunity to learn and develop both in professional and personal life. Northcoders gave me the opportunity to re-skill my knowledge gained during my bachelor's degree in Computer Science Engineering.

Skills:

- **Programming Language**: JavaScript
- **Front End**: HTML, CSS, JavaScript, ReactJS, React Native
- **Back End**: Node.js, Express
- **Database**: PostgreSQL, Firebase
- **Hosting**: Heroku, GitHub pages, Netlify
- **Testing**: Jest, Supertests
- **Others**: Agile Fundamentals (Trello for Kanban), Pair Programming, Test-Driven Development

Coding Bootcamp at Northcoders

Manchester UK: May-2022 – Aug-2022

Calorie Wars

Frontend:

Calorie Wars is a gamified health accountability mobile only app. Built on **React Native Expo** for frontend using HTML and styled using CSS and uses 'axios' to make the HTTP calls. To keep track of steps and calorie counts, it has integrated barcode scanner and pedometer which uses **Expo Sensors. React Navigation** was used to seamlessly transition from one app screen to the next and to create a very intuitive and user-friendly tab navigation bar. **React Native Gifted Chat** was used in conjunction with **Firebase** to create a very familiar instant messaging style chatroom.

Backend:

Firebase Authentication was used on the login and registration pages to create a secure environment to store user data. **Cloud Firestore** was used as our main backend database to keep track of live data. **External API - Open Food Facts** was used to process barcode requests. **Calorie Ninjas API** was also used to fetch calorie data.

GitHub link - https://github.com/manitagupta15/calorie-wars-project/tree/main/main-project/calorie-wars-project

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Samachaar News

Frontend:

A social news aggregation, web content rating and discussion website. Built on **React** for frontend using HTML and styled using CSS and uses 'axios' to make the HTTP calls.

Frontend Hosting

Hosted the frontend project using Netlify.

Hosted App link - https://samachaar-news.netlify.app

GitHub link - https://github.com/manitagupta15/samachaarnews-fe/tree/main/samachaarnews-fe

Backend:

Built to access the application data programmatically using **PostgreSQL** and **JavaScript**. Built the **RESTful API endpoints** using MVC pattern. Tested the code using **Jest** and **Supertests** to write the tests and simulate server calls for different HTTP calls. Used **Insomnia** for Testing and Validating results of the RESTful APIs. Used NPM's **nodemon** to keep the server open while building the backend. Used application level middleware **express.json()** to enable requests from external sources.

Backend Hosting

Hosted the backend project on Heroku using Heroku Postgres.

Hosted API link - https://nc-news-samachaara.herokuapp.com/api

GitHub link - https://github.com/manitagupta15/samachaarNews

Fun-Pokémon-Battler

A gaming program using **JavaScript** classes to make Pokémon. The base class was extended to create 3 further classes forming specific types of Pokémons. It uses '**inquirer**' to make the program interactive. Experience in Pair Programming.

GitHub link - https://github.com/manitagupta15/pokemon-battler

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Naught & Crosses Game

It is a Gaming Program. It is created using JavaScript HTML DOM.

Game link - https://manitagupta15.github.io/naught-and-crosses/

GitHub link - https://github.com/manitagupta15/naught-and-crosses

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Marketplace

A buying and selling App, built on React using HTML and styled using CSS, uses 'axios' to make the HTTP calls.

Game link - https://marketplace-manita.netlify.app

GitHub link-https://github.com/manitagupta15/MarketPlace-FrontEnd

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Fun-Hometown

A website about a place in India, called Sriganganagar, coded in HTML and CSS.

Website is functional at different screen sizes. It employs good practices for those using alternative means to access the website, i.e., screen readers. It uses flexbox layout models that specify sizes and positions with CSS. It uses media queries that allow styling to be applied at specific ranges of screen sizes, giving extra control over where we position things and how we size elements and typefaces on different sized devices. It also uses relative units when we specify sizes and positions with CSS.

Website link - https://manitagupta15.github.io/fun-home-town/
GitHub link - https://github.com/manitagupta15/fun-home-town

Past Experiences

Back to Garden Childcare   **May 2021 – April 2022**

Working as full-time Childcare Practitioner

Infosys Technology Limited   **Nov 2006 – Feb 2008**

Worked as a Software Engineer in Infosys Technology Ltd, Pune - India.

School Volunteer   **Jan 2018 - Sep 2019**

Volunteered for Netball practice at Brooklands Primary School (DBS checked).
Volunteered various School Trips.

Certified ABACUS Teacher at ICMAS   **Feb 2015 – Aug 2017**

Worked as an ABACUS Course Instructor affiliated by ICMAS.
Taught children 'Mental Mathematics' from the age of 6.

Educational Background

- 2006: **Bachelor of Computer science and Engineering**, Rajasthan University, India.
- Languages: Fluent English, Hindi and Punjabi