Manas Tiwari

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GitHub: manasIO **|** **Leetcode:** manas_io **|** **LinkedIn:** Manas-Tiwari-
Portfolio: https://manasio.github.io/Portfolio/

EDUCATION

University of Tennessee, Knoxville, TN - USA | **May 2024**
Master of Science in Computer Science, **GPA: 3.57/4.00**

Acharya Institute of Technology – Bangalore, India | **July 2022**
Bachelor of Technology in Information Science and Engineering **CGPA: 8.58/10**

PROFESSIONAL EXPERIENCE

University of Tennessee, Knoxville, TN | **Aug 2022 – Present**
Graduate Teaching Assistant
- Offered assistance to students in creating optimized C++ code, utilizing tools like *GDB* and *Valgrind* to debug and improve performance, and provided constructive feedback to enhance understanding. Implemented an automated grading system resulting in a 90% reduction in grading time.

Cognizant Technology Solutions, Bangalore | **Apr 2022 – Aug 2022**
Programmer Analyst Intern
- Collaborated with other developers as a software engineer to design and implement a robust *CI/CD pipeline* for software development lifecycle - SDLC (DevOps/*Agile*), ensuring timely delivery of high-quality applications. Worked with servers, applications and databases.

Compsoft Technologies, Bangalore | **Aug 2021 – Sep 2022**
Front/Back – end Web Developer Intern
- Worked as a web developer on a project for university grading portal. Implemented easy and accurately grade calculation for faculties, across different branches and courses. Also, can be accessed by students to get update on their grade so far and their score history.

PROJECTS

Book Store (REACT)
- Build a fully functional website using React and Typescript, where users can browse through the books, add/remove items from cart. It also displays the total price of items in the cart. This project exemplified my ability to leverage my React and Typescript skills.

Todo App (REACT)
- I created a user-friendly to-do application that allowed for easy addition and removal of tasks. Leveraging my understanding of React components and their interactions, I successfully implemented the app's features and functionality.

Movie_io (REST API)
- This website I made using HTML, CSS and JavaScript. It uses a REST API from the Movie Database (TMDB) to make HTTP requests to retrieve movie data. The project also implements pagination, highlighting selected genres and clearing the genre selection.

P&M Health Club (SQL-PHP)
- Design and developed a user-friendly website using PHP and MySQL to support a physical and mental health club. Built a database management system (DBMS) to store and manage data for registered users and their login credentials.

CERTIFICATIONS

AWS Certified Cloud Practitioner, (AWS CCP) | Apr 2022
Microsoft Certified Azure Fundamentals, (AZ 900) | Aug 2021
Architecting with Google Compute Engine, (Specialization) | Sep 2020

SKILLS

Programming Languages: C/C++, Java, Python, Shell Scripting
Technologies: HTML, CSS, JavaScript, TypeScript, React, Node.js, JSON, MySQL, APIs, Bootstrap
Operating Systems: Windows 10-11, Linux (Ubuntu 18.04)
Software: Version Control (Git /GitHub), Microsoft office (MS Word, Excel, PowerPoint, Outlook)