Varun Tyagi

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EDUCATION

Netaji Subhas University of Technology   Dwarka, New Delhi
Bachelor of Technology in Electronics and Technology (IoT)   *2020 – 2024*
- Cumulative GPA: **5.65/10.0**

EXPERIENCE

Software Development Intern   Sept '23 - Feb '24
Rovisor Research (Remote)
- Completed web developer internship, gaining hands-on experience in building and maintaining web applications.
- Implemented front-end designs to enhance user experience and debugged code.
- Developed skills in HTML, CSS, JavaScript, TypeScript, and Angular.
- Collaborated with senior developers to integrate APIs and optimize application performance.
- Contributed to the development of a responsive and dynamic company website, improving load times by 20%.

Web Developer Intern   Jun '23 - Jul '23
Business Web Solutions (Remote)
- Designed and maintained web applications, implementing modern front-end designs.
- Debugged code effectively to ensure optimal performance of web applications.
- Developed proficiency in HTML, CSS, and JavaScript, establishing a strong foundation for future projects.

PROJECTS

Job Seeking Application — *ReactJS, NodeJS, ExpressJS, MongoDB, JWT*   (Link)
- Developed frontend using ReactJS with Context API, enhancing performance by 20% and reducing prop drilling.
- Improved performance by 5-10% using the Render As Fetch approach with React Router DOM 6.
- Validated users with token-based authentication, improving server performance by 5-6%.
- Implemented security packages like Rate Limiting, Helmet, and MongoDB Sanitize to prevent NoSQL query injections.
- Scraped data from various job websites using Beautiful Soup in Python.

QuickBites (Food Ordering WebApp) — *Node.js, Express.js, MongoDB, JWT*
- Built a full-stack web application for browsing food items, placing orders, and managing carts with secure authentication.
- Designed a RESTful API using Express.js for managing food items, orders, and user information.
- Created an intuitive admin dashboard for managing food categories and orders using MongoDB.
- Optimized application performance for large datasets and integrated features like order tracking and cart management.
- Implemented error handling and security features to prevent malicious activities.

TECHNICAL SKILLS

Languages: C++, C, Python, MySQL, JavaScript, TypeScript, Node.js, Express.js, MongoDB

Developer Tools: HTML, CSS, Angular, React, Git, Jira

Soft Skills: Communication, Teamwork, Time Management

Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks

Interests: Problem Solving, Frontend Development, Data Analysis

ACHIEVEMENTS

Problem Solving: Solved 320+ questions on GeeksforGeeks and 220+ on LeetCode, with a 1500 rating on CodeChef.

Academic: Secured 98.2 percentile among 1 million students in JEE Mains.