**COMPUTING STUDENTS –**

**PLACEMENT YEAR LOG REPORT**

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| --- | --- |
| **Student Name:** | MaddeWithanage Chamuka Umesha |
| **Placement Provider & Department:** | Internship at SentraNova (Pvt) Ltd. As a Full Stack Developer Intern |
| **Workplace Supervisor Name:** | W.T.B.M Bandara |
| **Date:** |  |

* 1. Description of activities, including projects, tasks, roles and achievements **\*\*\***

**February 2025**

learning Next.js as part of my internship. I explored its file-based routing, API routes, and server-side rendering capabilities. I successfully set up a new Next.js project, laying the foundation for a professional website. This involved configuring the development environment, initializing the project structure, and getting familiar with the framework's core concepts.

**March 2025**

enhanced the functionality and architecture of the website project. I implemented multiple pages including Home, Services, About Us, and Contact, and ensured seamless navigation using Next.js’s dynamic routing. For state management, I integrated Redux Toolkit to handle global state efficiently across the application. Additionally, I incorporated React Query to manage server state and handle asynchronous data fetching, caching, and updating UI in real time. Chakra UI was used extensively for building accessible and responsive UI components. I also introduced custom hooks, layout wrappers, and modular folder structures to improve code maintainability and scalability. These improvements transformed the basic structure into a more robust, production-ready application.

**April 2025**

exploring programming language—Rust. I learned the fundamentals including ownership, borrowing, and lifetimes, which gave me a deeper understanding of memory safety and performance-oriented programming. This helped broaden my technical skillset and gave me a new perspective on systems-level development.

* 1. Description of any internal/external training undertaken **\*\*\***

**February 2025**

undertook self-paced external training on Next.js through online platforms such as the official Next.js documentation and YouTube tutorials. This helped me understand the framework's core concepts including routing, server-side rendering, and project setup.

**March 2025**

followed advanced tutorials and documentation to deepen my knowledge in Redux Toolkit and React Query. These resources helped me understand best practices in managing both client and server state in modern React applications.

**April 2025**

In April, I began exploring Rust through online documentation, interactive coding platforms like Rustlings, and community tutorials. This training helped me understand Rust’s ownership model, memory safety features, and its potential for systems programming.

* 1. Reflection on your learning (e.g. skills and knowledge gained) from the above

gained valuable hands-on experience in modern web development technologies such as Next.js, Redux Toolkit, React Query, and Chakra UI. I also improved my ability to build scalable and maintainable front-end applications. Learning Rust added a new dimension to my understanding of low-level programming and memory management. Overall, this period helped me enhance both my practical coding skills and my understanding of how different technologies fit into full-stack development.

* 1. Identify any areas requiring improvement (if any)

While I’ve made good progress in front-end development and basic understanding of systems programming with Rust, I feel there’s room for improvement in areas like backend development, testing strategies, and advanced debugging. Additionally, strengthening my understanding of deployment workflows and DevOps practices would be beneficial.

* 1. Your goals or targets for the next couple of months based on areas requiring improvement (if any)

improve my understanding of database management. I also plan to explore unit and integration testing, and get more comfortable with Git workflows and CI/CD pipelines.

* 1. Describe and evaluate your own skills in relation to the graduate attributes and the professional skills needed in the sector

I have developed strong problem-solving abilities and a proactive approach to learning new technologies, which align with key graduate attributes. My communication and collaboration skills have also improved through documentation and code reviews. While I am confident in my current technical foundation, I recognize the importance of continuous learning, adaptability, and real-world project experience to meet the evolving expectations of the tech industry.

**\*\*\*** it is advisable to present your answers for questions 1 and 2 in chronological order e.g. per month.

**Once you have addressed the points (outlined in questions 1-5), ask your supervisor to assess your performance for the month using the following table.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Below expectation* | *Satisfactory* | *Above expectation* | *Outstanding* | *N/A* |
| Attitude to work |  |  |  |  |  |
| Quality of work |  |  |  |  |  |
| Productivity |  |  |  |  |  |
| Literacy and Communication skills |  |  |  |  |  |
| Critical Thinking skills |  |  |  |  |  |
| Reliability |  |  |  |  |  |
| Global Outlook |  |  |  |  |  |
| Suitability of future goals  *(refer to question 5)* |  |  |  |  |  |
| Overall Achievement |  |  |  |  |  |

#### Workplace Supervisor Signature: ...................................................

Date: .....................

Student Name & Signature: ...................................................

Date: .....................

A scanned copy of the log report should be uploaded via the 'Log Report - Upload Report' option on Blackboard Placement module site by the specific deadline. Throughout the academic year 3 log reports must be uploaded on deadlines announced on Blackboard. Make sure you check the placement Blackboard site regularly.