



**GUJARAT TECHNOLOGICAL UNIVERSITY**  
(Established under Gujarat Act No. 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી  
(ગુજરાત અધિનિયમ ક્રમાંક: ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Enrollment no: 210280116082

**STUDENT'S WEEKLY RECORD OF INTERNSHIP**

**NAME OF STUDENT: VINAYAK TUSHARBHAI CHAVDA**

**DIARY OF THE WEEK: Dt: 17/02/2025 TO 21/02/2025**

**DEPARTMENT: INFORMATION TECHNOLOGY SEM: 8th**

**NAME OF THE ORGANISATION: BUCHANAN TECHNOLOGIES LLP**

**NAME OF THE PLANT/SECTION/DEPARTMENT: EMERGING TECHNOLOGIES**

**NAME OF OFFICER INCHARGE OF THE PLANT/SECTION/DEPARTMENT: HARDIK SHETH**

**DESCRIPTION OF THE WORK DONE IN BRIEF**

During the week of January 17 to January 21, I focused on both enhancing and securing the backend API while also collaborating with teammates to address bugs and improve project functionality. Starting with January 17, I worked on developing new endpoints needed for the UI. I ensured these endpoints were secure by implementing role-based authentication, which is crucial for user access management. It helped me understand how to balance between providing functionality and maintaining the security of the application.

On January 18, I focused on integrating new UI components with the corresponding backend APIs. This involved not only creating new features but also debugging and handling some critical errors. Working on the backend, I had to ensure smooth communication between the front end and back end, as well as managing exceptions effectively to ensure a seamless user experience. This was a significant learning moment because it highlighted the importance of error handling in production environments.

January 19 was dedicated to adding an admin page and securing the associated API. I implemented role-based access control, making sure that only admin users could access specific pages and API endpoints. This required deepening my understanding of user authentication and authorization mechanisms. Along the way, I also worked on resolving complex database issues, including eliminating conflicts and preventing unwanted loops. This experience reinforced the significance of good database design and API structure.

By January 20, I had completed the task management system, which was an important milestone in the project. During my free time, I also helped my teammates with their projects by resolving bugs and troubleshooting API issues. This collaborative work gave me a chance to improve my debugging skills and work effectively in a team. Additionally, I began learning about Optical Character Recognition (OCR) as part of a new series I started. OCR is an exciting topic, and I look forward to diving deeper into it.



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**TOTAL HOURS: 40 HOURS**

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**SIGNATURE OF STUDENT**

★ The above entries are correct and the grading of work done by Trainee is  
**EXCELLENT / VERY GOOD / GOOD / FAIR / BELOW AVERAGE / POOR**

**Signature of Faculty Mentor**

**Signature of officer-in-charge  
of Dept. / Section / Plant**

**Date:**

**Date:**

★ Grading of Work, for trainee may be given depending upon your judgement about  
his Punctuality, Regularity, Sincerity, Interest taken, Work done etc.



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