



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: 31/03/2025 TO 04/04/2025

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

This week, I continued progressing through my React learning series, focusing particularly on state management. I explored both the built-in **Context API** and the widely-used **Redux** library, gaining a better understanding of how each manages application state effectively.

Midweek, I completed a **weather API project** using **FastAPI** in Python. As part of this, I integrated **Redis** to handle caching and improve performance. After finishing the core functionality, I made enhancements by adding additional endpoints and learning about **multithreading** in Python to better manage concurrent operations.

Toward the end of the week, I began a new project called **eCoder**—a platform where developers can write, run, and save code. I designed the initial **landing page** and laid out the project structure, setting the foundation for continued development in the coming days.



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TOTAL HOURS: 40 HOURS

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.

Sheth H. M.



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