



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: 24/02/2025 TO 28/02/2025

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

This week, I focused on both enhancing my skills in Python and diving into a new project with my team. I began by exploring Python's internal workings, particularly how mutable and immutable data types function. Understanding these concepts gave me a deeper insight into how Python handles data. Additionally, I set up the Python runtime engine and ensured my environment was ready for development.

I then moved on to mastering the basics of Python syntax. I familiarized myself with variables, data types, loops, and conditionals, which formed the foundation of my Python knowledge. Alongside this, I discovered FastAPI, a powerful framework for building APIs with Python. It seemed like a great tool for rapid API development, and I also learned about using virtual environments to manage dependencies in different projects, helping me keep my work organized.

After solidifying my grasp on Python basics, I shifted focus to building a simple API. Using Python's built-in `HTTPServer` class, I successfully created an API that connected to a Microsoft SQL Server instance, retrieved data from it, and exposed it through an endpoint. This hands-on project allowed me to apply my Python knowledge while also learning how to interact with databases and build a functional web service.

Later in the week, I joined forces with my teammates, Aditya and Brijesh, to discuss and plan a new project—a blogging website. We decided to add complexity beyond just basic CRUD operations and brainstormed features that would make the platform more dynamic and engaging. We set up the initial project structure and configured GitHub for version control and collaboration, ensuring we would be able to work efficiently as a team.

We also began the actual development of the blogging website by focusing on the database design. We discussed the key entities that the platform would need to support its features, and we outlined the structure for the data. Alongside this, we started working on the basic frontend layout, creating the foundational pages necessary for the website. It's an exciting start, and I'm looking forward to seeing how the project evolves.



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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.



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