

Weekly Diary For Industrial Training At Walstar

Name of Industry: Walstar Technologies pvt Ltd

From 02/06/2025 **to** 30/08/2025

Name of Industry Supervisor:

Designation of Industry Supervisor:

Name of Student: Parth Sagar Jadhav

Enrollment No.: 23211440115

Name of Mentor (Faculty): Mrs.A.V.Jadhav

Branch of Engineering: Computer Engineering

Name of Polytechnic: Dr. D. Y. Patil Polytechnic, Kasaba Bawada.

WEEK 1 : From 02/06/2024 To 07/06/2024

Week	Day & Date	Discussion Topics/ Activity	Details of Work Allotted Till Next Session /Corrections Suggested/ Faculty Remarks	Signature of Industry Mentor
	Monday 2/06/2025	Researched various technologies to finalize a good project idea.	We were instructed to explore the domain and gain an overview, as it was our first day of internship. We were also quizzed based on learnings from our diploma course.	
	Tuesday 03/06/2025	Finalized the topic for the internship project: Resume Scanning ATS Project	Our mentor guided us in identifying resources and tools relevant for the project. We were advised to focus on freely available and reusable resources that would also be helpful for future learning.	
	Wednesday 04/06/2025	Revised Python fundamentals and explored necessary libraries for the project.	Completed revision of Python basics to advanced concepts including declaring variables, using functions, dictionaries, and other core programming constructs.	

Week 1	Thursday 05/06/2025	Reviewed libraries and finalized integration of NLP and ML in the project pipeline.	Explored tech components such as NLP, spaCy, NLTK, and Matplotlib . Started learning NLP and implemented key concepts including:- Word Tokenization- Sentence Tokenization- Stopword Removal- Lowercasing- LemmatizationCreated a unified integration file combining all implementations.	
	Friday 06/06/2025	Continued working on NLP concepts.	Started working on document parsing:- Used python-docx for .docx files- Used pdfminer.six for .pdf files- Utilized multiple functionalities from both libraries- Implemented file reading- Used the re module for pattern searching in text files	
	Saturday 07/06/2025	Selected Flask as the backend framework for the project.	Began learning Flask for backend development.Implemented a basic ToDo App for practice.Revised key concepts of HTML and learned about Flask-SQLAlchemy for database connectivity.	

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WEEK 2 : From 09/06/2024 To 14/06/2024

Week 2	Day & Date	Discussion Topics/ Activity	Details of Work Allotted Till Next Session /Corrections Suggested/ Faculty Remarks	Signature of Industry Mentor
Week 2	Monday 09/06/2025	Began implementing Flask.	Started building a small-scale trial application using Flask. Focused on practical implementation of routing and dynamic content rendering.	
	Tuesday 10/06/2025	Explored the dependencies of HTML and CSS.	Initiated learning HTML fundamentals including basic structure, tags, elements, and forms. Also reviewed the importance of HTML and CSS for frontend integration in Flask projects.	
	Wednesday 11/06/2025	Continued working on HTML integration.	Learned how to render HTML files in a Flask application using render_template() function. Successfully linked static HTML files with Flask backend and started developing the frontend layout.	
	Thursday 12/06/2025	Started working with SQLAlchemy.	Integrated Flask-SQLAlchemy with the application. Successfully connected SQLAlchemy with rendered HTML templates and began working on database models.	

	Friday 13/06/2025	Continued learning SQLAlchemy concepts.	Focused on deepening understanding of SQLAlchemy features like defining models, querying data, and establishing table relationships. Worked on improving and refining database integration.	
	Saturday 14/06/2025	Gained knowledge about Cloud and OpenCV.	Continued working on the same project. Extended Flask functionality by enhancing database management using SQLAlchemy. Also explored introductory concepts related to cloud services and OpenCV for possible future integration.	

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WEEK 3 : From 16/06/2024 To 21/06/2024

Week 3	Day & Date	Discussion Topics/ Activity	Details of Work Allotted Till Next Session /Corrections Suggested/ Faculty Remarks	Signature of Industry Mentor
	Monday 16/06/2024 5	Learned about Jinja2 and its environment setup.	Set up a stable environment for using Jinja2 in the Flask framework. Installed all the necessary libraries and dependencies to ensure proper template rendering and integration with backend logic.	
	Tuesday 17/06/2024	Revised Flask concepts learned previously on 07/06/2024.	Reviewed previously learned Flask concepts and applied them by building a small application – a login page app. Focused on backend routing, form handling, and server-client interaction.	
	Wednesday 18/06/2024	Started learning Jinja2 templating engine.	Gained hands-on experience with Jinja2 in Flask. Used <code>render_template()</code> to integrate backend with frontend. Developed a basic login system that connects index.html and welcome.html. Practiced routing, POST/GET request handling, and dynamic data rendering using Jinja2.	

Week 3	Thursday 19/06/2025	Continued exploring advanced use cases of Jinja2 templating.	Focused on deeper understanding of Jinja2 by learning more use cases and real-world implementations. Worked on form data rendering, conditional statements in templates, and loops within HTML using Jinja2.	
	Friday 20/06/2025	Researched additional resources to learn advanced Flask and Jinja2 concepts.	Started implementing all learned Flask and Jinja2 concepts in a single integrated web application . Continued exploring official documentation and community tutorials to strengthen understanding of dynamic web development in Flask.	
	Saturday 21/06/2025	Worked on Jinja2, HTML, and Flask integration.	Applied all previously learned concepts by integrating HTML templates, Jinja2 logic, and Flask routes into a unified functional web application. Focused on ensuring smooth frontend-backend connectivity and form data flow.	

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