



Data Analytics & Python Internship

(MySQL, Excel, Tableau, Power BI, Python, Pandas, Azure, AWS)

Duration: 30 Days

Course Objectives

By the end of this internship, learners will be able to:

1. Understand and use **MySQL** for database querying and management.
2. Analyze and visualize data using **Excel, Tableau, and Power BI**.
3. Learn **Python programming** and the **Pandas library** for data manipulation and analysis.
4. Build **real-world Python projects** and practical portfolio applications.
5. Create a **personal portfolio website and professional resume** to showcase skills.
6. Prepare for **technical interviews** in data and analytics roles.
7. Learn basics of **cloud platforms**: Azure and AWS.
8. Use **LinkedIn strategically** to network and land job opportunities.
9. Gain a competitive edge by combining technical, analytical, and professional skills.

Prerequisites

- Basic computer literacy.
- No prior programming or analytics experience required.
- Basic familiarity with spreadsheets is a plus.

Tools & Environment

- **Database:** MySQL
- **Spreadsheet & BI Tools:** Excel, Tableau, Power BI
- **Programming:** Python, Pandas
- **Web Development:** HTML/CSS (for portfolio website)
- **Cloud Platforms:** Azure, AWS
- **Career Tools:** LinkedIn, Resume builders

Beyond Objectives Learning

- Explore advanced data analytics techniques and libraries.
- Learn **data visualization best practices** for business insights.
- Understand **data ethics, governance, and security**.
- Develop **soft skills** like communication, presentation, and teamwork.
- Build a **professional online presence** to attract recruiters.
- Gain confidence for **real-world job applications and interviews**.



Sr.	Title	Topic	Objective
1	Introduction	Introductions & Internship Overview	Understand scope, tools, and expected outcomes
2	Databases	MySQL	Learn SQL queries, data management, and relational databases
3	Analytics Tools	Excel	Perform data analysis, formulas, pivot tables, charts
4	Analytics Tools	Tableau	Create interactive dashboards and visualizations
5	Analytics Tools	Power BI	Build business intelligence reports and insights
6	Programming	Python	Learn Python syntax, variables, loops, and functions
7	Programming	Pandas	Perform data manipulation, filtering, and aggregation
8	Projects	Python Projects	Build real-world projects using Python and Pandas
9	Web Development	Building a Portfolio Website	Showcase skills, projects, and achievements online
10	Career Prep	Creating a Resume	Craft a professional, data-focused resume
11	Career Prep	Practicing for Technical Interviews	Mock interviews, coding problems, and analytics questions
12	Cloud Platforms	Azure	Learn basic cloud services, deployment, and data handling
13	Cloud Platforms	AWS	Understand AWS infrastructure, storage, and cloud services
14	Career Prep	How to use LinkedIn to Land a Job	Build profile, network, and job search strategies

Minimum Completion Criteria:

- Complete all modules and MCQs
- Attempt weekly marathons
- Submit at least 2 out of 5 projects in the final level
- Attend minimum 80% of lessons

Certificate Details

- Upon successful completion of the Internship, learners will receive a Government-Recognized Certificate from Vidyawan, a registered MSME enterprise (*Udyam Registration No: UDYAM-WB-14-0205610*).



One Month Internship Certificate



Weekly Marathon Participation Certificate



Performance-Based Badge System

- Gold Badge – For Top Performers (90%+ score, completed 4+ projects)
- Silver Badge – For consistent performance (70–89%)
- Copper/Participant Badge – For all learners who complete the program

Contact Information

For queries, registration, or collaboration, feel free to contact us:

Vidyawan – Internship & Skill Development Platform

(A Government-registered MSME – UDYAM-WB-14-0205610)

- Email: contact.vidyawan@gmail.com
- Website: www.vidyawan.in (Get in touch section)
- Location: West Bengal, India
- Follow us for updates and upcoming internships