



## **Artificial Intelligence (Machine Learning & Deep Learning) [Course]**

**Week 4 - Data Science – Python [ Numpy , Pandas ,  
SeaBorn ] As FreeLance Professional [ Career Consulting ]**

**It is not about Theory, it is 20% Theory and 80% Practical –  
Technical/Development/Programming [Mostly Python based]**

# Freelancing Statistics

Online Freelance Market size was valued at USD 6.26 Trillion in 2023 and is poised to grow from USD 7.29 Trillion in 2024 to USD 24.78 Trillion by 2032, growing at a CAGR of 0.1652 during the forecast period (2025-2032). Online resource, freelance platform help professionals to connect and work with clients.

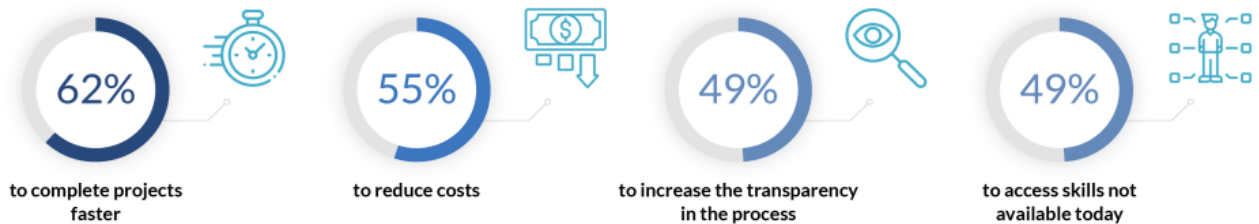
Source: <https://www.skyquestt.com/>

## 3 Essential Freelance Statistics You Must Know

**FinancesOnline**  
REVIEWS FOR BUSINESS

### 1 Why do companies prefer freelancers over staffing firms?

Source: Upwork



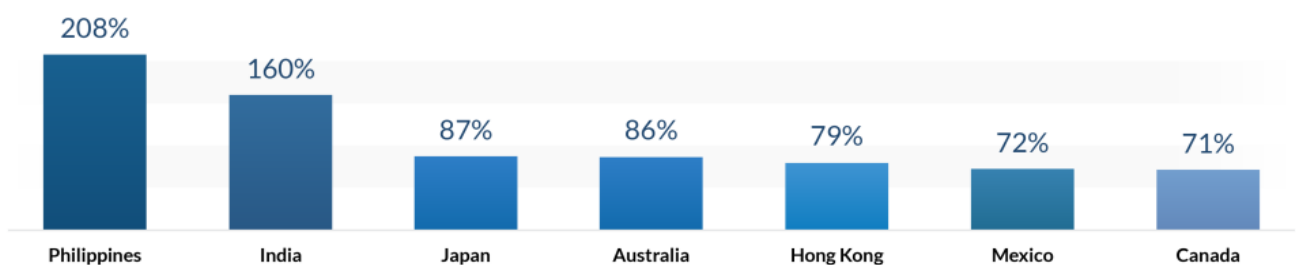
### 2 Breakdown of Global Freelancers

Source: The Simple Dollar



### 3 Leading Freelancing Countries Based on Revenue Growth



















Source: Payoneer



# Freelancing Sites

## Popular freelancing websites

From sources across the web

 Upwork Inc. ▼	 Fiverr ▼	 PeoplePerHour ▼
 Guru.com ▼	 Toptal ▼	 Freelancer.com ▼
 FlexJobs Corporation ▼	 Simply Hired ▼	 99designs ▼
 Behance ▼	 Designhill.com ▼	 Dribbble ▼
 LinkedIn ▼	 Taskrabbit ▼	 We Work Remotely ▼
 DesignCrowd ▼	 SolidGigs ▼	 JOOBLE ▼

### Reference:

<https://www.hostinger.com/tutorials/best-freelance-websites>

<https://webflow.com/blog/freelance-websites>

<https://www.upwork.com/resources/best-freelance-websites>



# python

# Upwork Statistics - 1

Q Python

Category ^

Select Categories v

Experience level ^

- ☐ Entry Level (493)
- ☐ Intermediate (6,812)
- ☐ Expert (3,959)

Job type ^

- ☐ Hourly (7,108)
- ☐ \$ Min /hr \$ Max /hr

☐ Fixed-Price (4,157)

- ☐ Less than \$100 (1,295)
- ☐ \$100 to \$500 (1,520)
- ☐ \$500 - \$1K (514)
- ☐ \$1K - \$5K (631)
- ☐ \$5K+ (197)

☐ \$ Min \$ Max

Q Numpy

Category ^

Select Categories v

Experience level ^

- ☐ Entry Level (17)
- ☐ Intermediate (132)
- ☐ Expert (88)

Job type ^

- ☐ Hourly (151)
- ☐ \$ Min /hr \$ Max /hr

☐ Fixed-Price (86)

- ☐ Less than \$100 (37)
- ☐ \$100 to \$500 (34)
- ☐ \$500 - \$1K (4)
- ☐ \$1K - \$5K (8)
- ☐ \$5K+ (3)

☐ \$ Min \$ Max



# python

# Upwork Statistics - 2

⚠ After review, we have determined that your p

Q Pandas

Category

Select Categories

Experience level

- ☐ Entry Level (15)
- ☐ Intermediate (141)
- ☐ Expert (105)

Job type

- ☐ Hourly (179)
- ☐ \$ Min /hr \$ Max /hr
- ☐ Fixed-Price (82)
- ☐ Less than \$100 (32)
- ☐ \$100 to \$500 (23)
- ☐ \$500 - \$1K (11)
- ☐ \$1K - \$5K (10)
- ☐ \$5K+ (6)
- ☐ \$ Min \$ Max

Q Matplotlib

Category

Select Categories

Experience level

- ☐ Entry Level (6)
- ☐ Intermediate (37)
- ☐ Expert (33)

Job type

- ☐ Hourly (51)
- ☐ \$ Min /hr \$ Max /hr
- ☐ Fixed-Price (25)
- ☐ Less than \$100 (9)
- ☐ \$100 to \$500 (9)
- ☐ \$500 - \$1K (5)
- ☐ \$1K - \$5K (1)
- ☐ \$5K+ (1)
- ☐ \$ Min \$ Max



# python

# Upwork Statistics - 3

Q Seaborn

Category

Select Categories

Experience level

- ☐ Entry Level (3)
- ☐ Intermediate (13)
- ☐ Expert (14)

Job type

- ☐ Hourly (21)
- ☐ \$ Min /hr \$ Max /hr
- ☐ Fixed-Price (9)
- ☐ Less than \$100 (3)
- ☐ \$100 to \$500 (3)
- ☐ \$500 - \$1K (3)
- ☐ \$1K - \$5K (0)
- ☐ \$5K+ (0)
- ☐ \$ Min \$ Max

Q Data science python

Category

Select Categories

Experience level

- ☐ Entry Level (189)
- ☐ Intermediate (2,467)
- ☐ Expert (1,515)

Job type

- ☐ Hourly (2,582)
- ☐ \$ Min /hr \$ Max /hr
- ☐ Fixed-Price (1,590)
- ☐ Less than \$100 (531)
- ☐ \$100 to \$500 (576)
- ☐ \$500 - \$1K (173)
- ☐ \$1K - \$5K (245)
- ☐ \$5K+ (64)
- ☐ \$ Min \$ Max



# python



# fiverr. upwork

Difference101.com

### Billing

Sellers publish gigs with a predefined price.

Seller bids on projects with a fixed or hourly rate.

### Seller/Buyer Relationship

Buyers seek out bids from sellers.

Sellers bid on projects offered by the buyer.

### Fees

Fiverr includes a processing fee of \$1.00 for gigs up to \$20.00. For gigs greater than \$20, they charge a 5% fee.

Upwork charges 20% for the first \$500 billed to clients and 10% for total billings between \$500 and \$10,000. For total billings above \$10,000, Upwork charges only 5%. For each individual bid, Upwork also charges a 2.75% processing fee.

### Collaboration

Freelancers work alone.

Freelancers may collaborate by forming agencies. Projects on Upwork for agencies often require diverse skill sets from several disciplines.

<https://www.upwork.com/resources/upwork-vs-fiverr>

<https://www.fiverr.com/resources/guides/business/fiverr-vs-upwork>

<https://wise.com/us/blog/upwork-vs-fiverr-review>



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# Upwork vs Freelancer



Pricing type	Free / Quote-based	Free / Monthly payment Annual Subscription
Available Support	FAQ, Phone, email support	Ticket, Training, Live support
Features	Candidates shortlist, Profile browsing. Proposal reviewing, Chat schedules, Feedback sharing Mobile access, Work diary.	Free job posting, Contest posting, Custom offers, job sample viewing, No-cost-chat, Time tracker, Secure payments, Invoicing.

<https://wise.com/us/blog/upwork-vs-freelancer-com>  
<https://www.differenceguides.com/2023/09/upwork-vs-freelancer-diff>





# Freelancer Profiles - random Sample:

## Fiver Profiles Gigs:

[https://www.fiverr.com/asma\\_shakeel1/help-you-in-pandas-numpy-seaborn-scikit-learn-and-python](https://www.fiverr.com/asma_shakeel1/help-you-in-pandas-numpy-seaborn-scikit-learn-and-python)

[https://www.fiverr.com/maffh\\_developer/do-attractive-data-visualization-using-matplotlib-seaborn-and-plotly](https://www.fiverr.com/maffh_developer/do-attractive-data-visualization-using-matplotlib-seaborn-and-plotly)

<https://www.fiverr.com/anique44/do-data-visualization-using-python-pandas-matplotlib-seaborn>

[https://www.fiverr.com/rakesh\\_sahni/do-data-analysis-in-python-pandas-matplotlib-seaborn-jupyter-notebooks](https://www.fiverr.com/rakesh_sahni/do-data-analysis-in-python-pandas-matplotlib-seaborn-jupyter-notebooks)

<https://www.fiverr.com/mohamedadel2001/code-python-data-analysis-with-pandas-numpy-matplotlib-and-seaborn>

## Upwork Profiles:

<https://www.upwork.com/freelancers/bilalh65>

<https://www.upwork.com/freelancers/rasheshmakwana>



python

# Profiles – Tips and Tricks

Here are 10 practical tips and tricks for creating a compelling freelance profile:

- 1.Craft a clear, niche-specific headline** – Highlight your expertise (e.g., “Python Developer | Data Analysis & Automation Specialist”).
- 2.Write a strong, value-focused summary** – Focus on how you solve client problems, not just your skills.
- 3.Use keywords strategically** – Tailor your profile with industry-relevant terms to boost visibility in search.
- 4.Showcase a portfolio** – Include real project samples, GitHub links, or case studies to demonstrate your work.
- 5.Be client-centric** – Emphasize how your services benefit clients, such as saving time or increasing efficiency.
- 6.List relevant tools and technologies** – Mention frameworks, libraries, and platforms you’re proficient in.
- 7.Include testimonials** – Positive feedback builds trust and improves your chances of being hired.
- 8.Keep your profile updated** – Regularly refresh your content and highlight new skills or projects.
- 9.Set competitive but fair rates** – Reflect your experience while staying attractive to potential clients.
- 10.Use a professional photo** – A clear, friendly headshot boosts credibility and engagement.

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## Resource:

<https://www.upwork.com/resources/freelancer-profile-tips>

<https://www.freelancermap.com/blog/freelance-profile-tips-examples>

<https://www.websiteplanet.com/blog/how-to-create-a-freelance-profile/>



# Ahamed Sample Profile:

## Title: Python- NumPy, Pandas, Seaborn and Matplotlib - Data Science Developer/Consultant:

### Skills Matrix Summary:

#### As Python Developer

Experienced Python Developer with a strong foundation in object-oriented programming, data structures, and algorithmic problem-solving. Skilled in developing robust, scalable applications across web development, data analysis, automation, and scripting. Proficient in leveraging popular libraries and frameworks such as NumPy, Pandas, Seaborn and Matplotlib. Demonstrates best practices in version control (Git), testing, and code optimization, with a focus on delivering clean, maintainable, and efficient solutions.

#### NumPy Skills:

- ✓ Proficient in NumPy for high-performance numerical computing, including array manipulation, broadcasting, and vectorized operations.
- ✓ Capable of optimizing code efficiency through advanced indexing, mathematical functions, and memory management techniques.

#### Pandas Skills:

- ✓ Skilled in using pandas for data manipulation, cleaning, and transformation with efficient handling of large datasets.
- ✓ Experienced in time series analysis, merging/joining datasets, groupby operations, and data aggregation techniques.

#### Seaborn and Matplotlib Skills:

- ✓ Proficient in creating insightful visualizations using Seaborn and Matplotlib for data exploration and presentation.
- ✓ Skilled in customizing plots, charts, and graphs to highlight trends, distributions, and correlations in complex datasets.
- ✓ Experienced in building statistical plots like heatmaps, pair plots, and regression plots with Seaborn's high-level API.
- ✓ Capable of integrating visualizations into dashboards and reports for effective storytelling and data-driven decision-making.

# Ahamed Sample Profile – Part 2:

## As Python Developer - business vertical domains:

- ✓ As Python Developers, I contribute across diverse business verticals including Finance, Healthcare, Retail, and Real Estate by building data-driven and automation-focused solutions.
- ✓ In Finance, I can develop algorithms for trading, analytics, and risk management.
- ✓ In Healthcare, I can process medical data and enable predictive modeling and system integrations.
- ✓ Retail and E-commerce benefit from Python through personalized recommendations, inventory optimization, and customer analytics.
- ✓ I can also powers applications in Manufacturing, EdTech, Media, and Logistics through automation, data analysis, and API-driven integrations.

Contact me..



# Notes

- ❑ Start small, deliver quality results, maintain clients.
- ❑ Freelancing is foundation for set-up company – first step. First you get work for yourself. With your dedication and efforts, you grow the size of project(s) and clients(s). Then hire team , delegate tasks to team, and grow business.
- ❑ Client relationship management, is critical for long term business. Client's point and concerns – need to be handled with care.
- ❑ Value for money, out of your service, is important. Think and analyze, if you have delivered results, is it worth the services given to client.
- ❑ Repeat, business is goal, It is hard to find a NEW client, as economy is hard. Keeping and maintain a client is easy, profitable and long term strategy. 25
- ❑ Be agile, frequent release, accept the change in requirements, make process iterable. Need to maintain cycles. Break down project into smaller pieces.





# Notes

- ☐ Have weekly project status – meeting – to show progress
- ☐ Have weekly project status report emailed to stake holders.
- ☐ Mature requirement gathering process. Mature Software Development life cycle. Refine and refine.
- ☐ Have a backup internet provider for incase of sudden – down of main internet provider.
- ☐ Always – ask and guide to have good reviews as reference, after completion of task/project.
- ☐ Maintain – log of clients- contact information. Either in Excel sheet or CRM – even free version like HubSpot.
- ☐ Think from client perspective, have clear and crystal clear communication. Avoid confusion in project details.
- ☐ All the best.





Thank you - for listening and participating

- ☐ Questions / Queries
- ☐ Suggestions/Recommendation
- ☐ Ideas.....?

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