



Top 10 I.T Skills to learn in 2025

(Part III)

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Contents



**Data Science &
Analytics**



**Full-Stack
Development**



UI/UX Design

Overview Data Science & Analytics

Data Science and Analytics involve extracting meaningful insights from structured and unstructured data using techniques like statistical analysis, machine learning, and data visualization. It bridges the gap between raw data and actionable business decisions

Forecast 2024 to 2034

The global data analytics market size is estimated at USD 50.04 billion in 2024 and is anticipated to reach around USD 658.64 billion by 2034, expanding at a CAGR of 29.40% from 2024 to 2034.

Facts

By 2025, the global data analytics market is projected to reach \$64.7 billion.

Data Analytics Market Size 2023 to 2034 (USD Billion)



Source: <https://www.precedenceresearch.com/data-analytics-market>

Current Trends and Applications

Big Data Technologies

(e.g., Hadoop, Spark) and cloud platforms (e.g., AWS, Azure).

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AI and Machine Learning

Use of **AI and machine learning** for predictive and prescriptive analytics.

Real Time Analytics

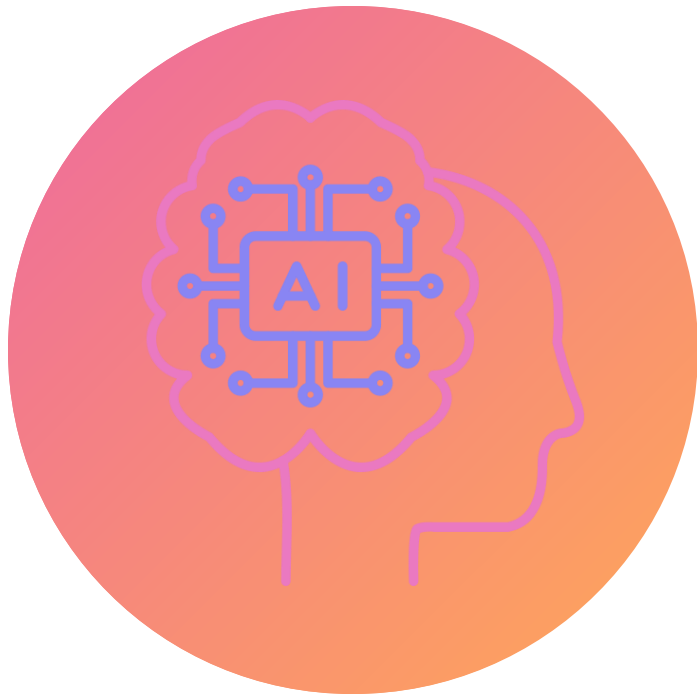
Especially in fields like finance, healthcare, and marketing.

Applications

Include fraud detection, personalized marketing, medical diagnosis, and supply chain optimization.



Areas of Specialization



Big Data Engineering

Focus on handling large-scale data processing using tools like Apache Spark.

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Machine Learning Engineering

Develop algorithms to predict trends or automate tasks.

Data Visualization Specialists

Create visual representations of data to communicate insights effectively.

Job Roles & Exp. Salary



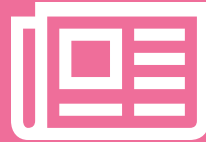
Data Scientist

\$122,100



Data analyst

\$82,288



ML Engineer

\$161,793



**Business Analyst
Developer**

\$85,195



Big Data engineer

\$108,106

Knowledge Necessary for Mastery



Proficiency in programming languages like Python, R, or SQL



Familiarity with data visualization tools like Tableau or Power BI.



Strong foundation in statistics, probability, and linear algebra.



Knowledge of machine learning frameworks (e.g., TensorFlow, Scikit-learn).



Demand/Career Prospects

- 01. Current Demand:** High across sectors like finance, healthcare, and retail.
- 02. Future Projections:** Over 11.5 million new data science jobs are expected globally by **2026**

Overview Full-Stack Development

Full-stack development refers to building web applications that encompass both front-end (user interface) and back-end (server-side logic) development.

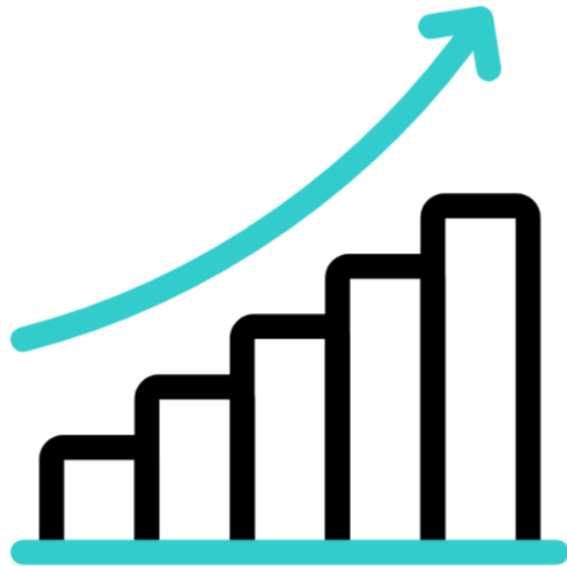
Forecast 2025

As the technology landscape evolves, Full-Stack Development remains one of the most lucrative and dynamic fields. With projected salaries reaching **\$70,000 to \$170,000+** depending on experience and specialization, this is an opportune time to invest in your skills and align with market demands.

Facts

In 2025, full-stack development remains crucial as cutting-edge trends like AI, serverless computing, and low-code platforms reshape the field. Companies can reduce costs by up to 70% using full-stack expertise. AI tools, though not replacements, enhance coding efficiency, driving sustainable practices.

Current Market Trends



High Demand for versatile developers

Companies seek professionals who can handle front-end, back-end, and database management efficiently

AI & Automation integration

Demand for Full-Stack Developers with machine learning and automation skills is surging.

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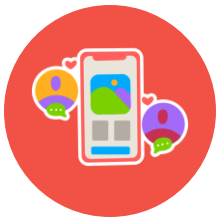
Cloud-Native Applications

Organizations are prioritizing developers with expertise in AWS, Google Cloud, or Azure for scalable solutions.

Remote Work Proficiency

Skills in building collaborative, secure remote tools are increasingly valued.

Areas of Specialization



Front-End Development

Building responsive, user-friendly interfaces



Back-End Development

Managing server-side logic, databases, and APIs.



DevOps

Ensuring efficient deployment and monitoring of applications.

Knowledge Necessary for Mastery



Proficiency in front-end languages (HTML, CSS, JavaScript) and frameworks (React, Angular).



Back-end technologies like Java, Node.js, Django, Laravel, or Ruby on Rails.



Understanding of database management (SQL and NoSQL).



Familiarity with DevOps tools like Docker, Jenkins, and Kubernetes.

In-Demand Skills



Programming languages

Expertise in JavaScript, Python, Ruby, and Java.



Frameworks

Mastery of React, Angular, Vue.js for front-end; Node.js, Django, or Flask for back-end.



Database management

Proficiency in SQL (PostgreSQL, MySQL) and NoSQL (MongoDB).



DevOps

Experience with CI/CD pipelines, Docker, and Kubernetes.



Cybersecurity

Knowledge of secure coding practices and data privacy regulations



Demand/Career Prospects

- 01. Current Demand:** High, especially in startups and tech-driven businesses.
- 02. Future Projections:** Demand for full-stack developers is expected to grow by 35% by 2028.

Overview UI/UX

UI/UX Design involves creating digital interfaces that are visually appealing (UI) and offer an intuitive, seamless user experience (UX)

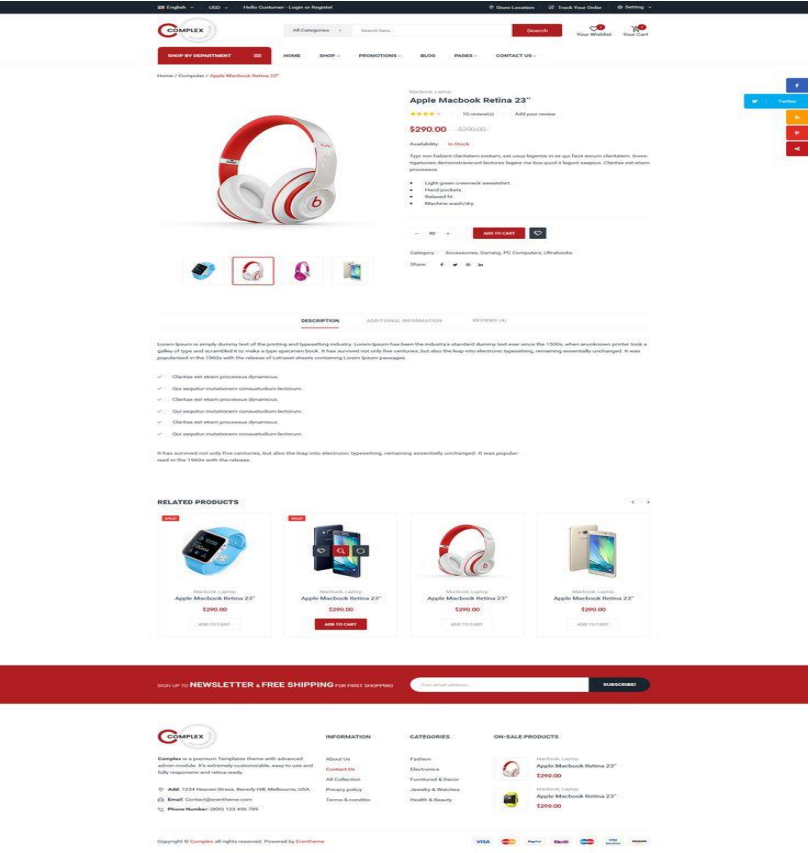
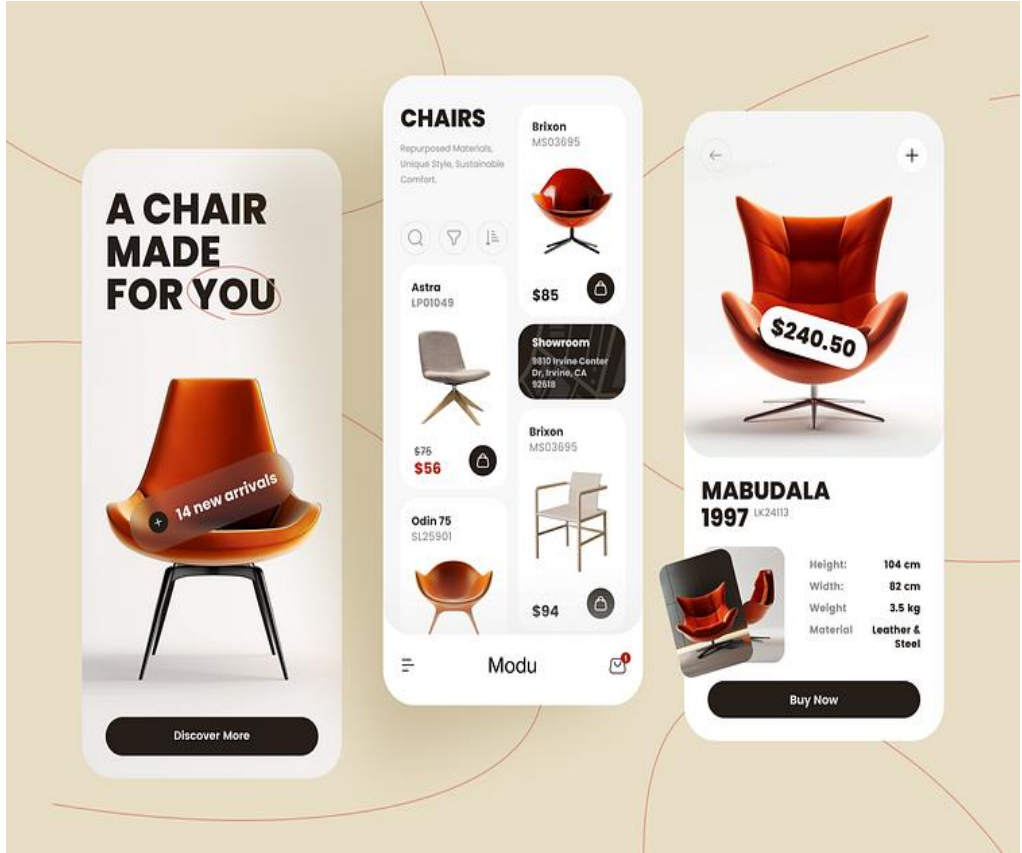
Forecast 2025

In 2025, UX UI design will focus on hyper-personalization, driven by AI and machine learning to adapt interfaces to each user's unique preferences. Key trends include Bento Box layouts for clear, compartmentalized content, Proactive UX (PX) that anticipates user needs, and immersive scrolling that guides users through content with cinematic depth. Designs will also prioritize seamless, password-free authentication and voice-activated interactions to make digital experiences smoother and more intuitive

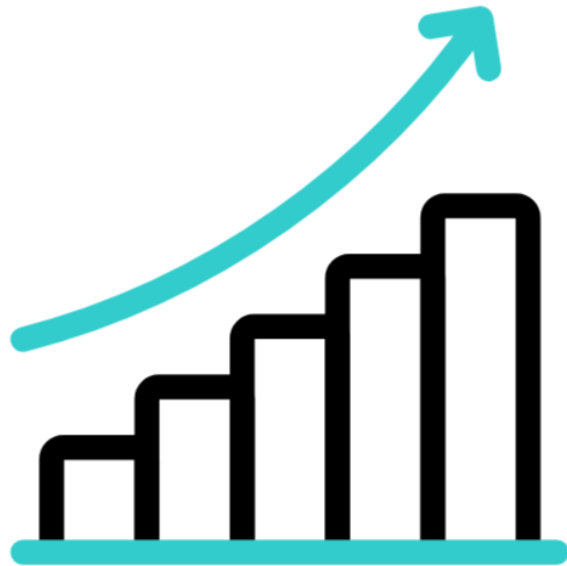
Facts

User Experience (UX) and User Interface (UI) design are at the forefront of digital innovation, shaping how users interact with digital products to ensure these interactions are intuitive, efficient, and enjoyable. As we look toward the future, numerous technological advancements and societal shifts are poised to redefine the standards and practices in the UX/UI field.

<https://digitaldefynd.com/IQ/surprising-ux-facts-statistics/>



Current Trends in UI/UX



Growth in AI-driven design tools

Tools like Figma, Adobe XD, and Sketch are increasingly incorporating AI features, enabling designers to automate repetitive tasks, generate design suggestions, and enhance productivity.

Voice & gesture-based UI development

As voice assistants (like Alexa and Siri) and gesture controls become mainstream, designing intuitive voice interfaces and touchless interactions is crucial.



Focus on accessibility design

With inclusivity being a global priority, accessible design ensures digital experiences cater to users with disabilities, aligning with legal frameworks like WCAG..

Applications

Modern UI/UX is central to websites, mobile applications, VR environments, and IoT devices, impacting e-commerce, healthcare, entertainment, and beyond.

Job Roles



UI Designer



UX Designer



**Product
Designer**



**Interaction
Designer**



**Usability
Analyst**

Knowledge Necessary for Mastery



Familiarity with design tools like Sketch, Figma, or Adobe XD.



Knowledge of design principles, color theory, and typography.



Understanding of user psychology and behavior analysis.



Experience with prototyping tools and user testing methods.



Demand/Career Prospects

01. Current Demand: UI/UX roles are crucial across tech, retail, and healthcare industries.

02. Future Projections: Demand for UI/UX designers is expected to grow by 20% by 2029.

Salary Levels



Entry Level

\$50,000 - \$70,000/year



Mid-Level

\$80,000 - \$110,000/year



Senior Level

\$120,000 - \$150,000/year

Projection: UI/UX salaries to rise significantly as digital transformation accelerates.



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