

*Navigate Your Future: Career Compass -
Guiding Your Path to Success*

CAREER COMPASS



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January 06,
2024
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Accredited with **A+** Grade by NAAC

Abacus
GLA University
Computer Society
Department of Computer Engineering & Applications
ESTD. 2009

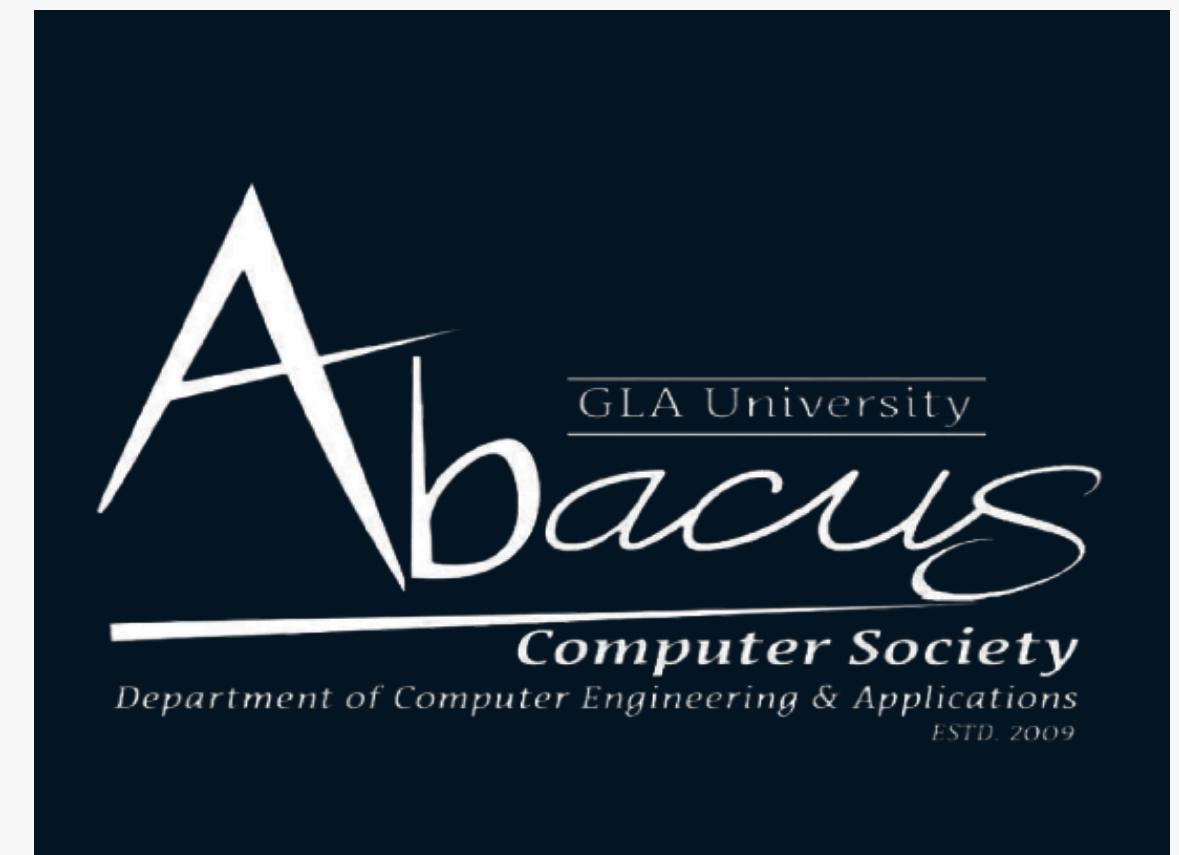
Career Compass Workshop

DEPARTMENT OF COMPUTER ENGINEERING AND APPLICATIONS

About Abacus

The seed of the ABACUS was first sown in the year 2009 with the handful of IT enthusiasts who were a computer user group and felt the need to organize their activities.

ABACUS shares the vision of building a technical community based on interactions and creativity, we initiate workshops in university independency and also in collaborations.



FACULTY COORDINATORS



DR. NEERAJ VARSHNEY
Secretary



MS. RUCHI AGARWAL
Joint Secretary

OUR GUEST



Geeteshvar Chaudhary
IT Engineer
Tata Consultancy Services
2yr experience



Mr. Rick Chatterjee
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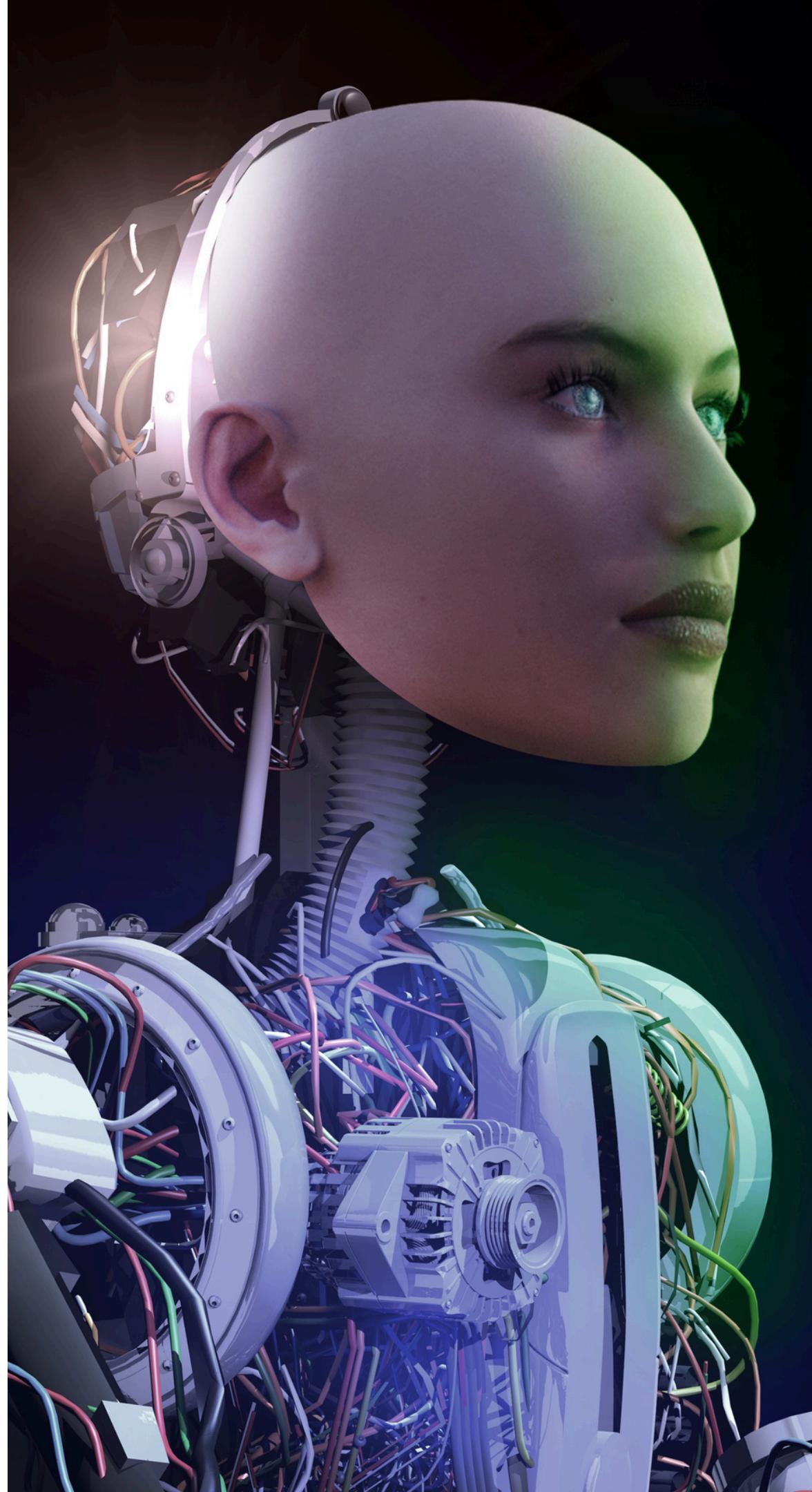


Mr. Aniket Sharma
Regional Head
Techperspect Software pvt
ltd

Future Technologies



- Blockchain
- Data Mining
- Big Data
- Angular and React
- DevOps
- Cloud Computing
- RPA
- AI & ML
- Quantum computing
- Internet of Things
- Cybersecurity
- Augmented reality



BLOCKCHAIN



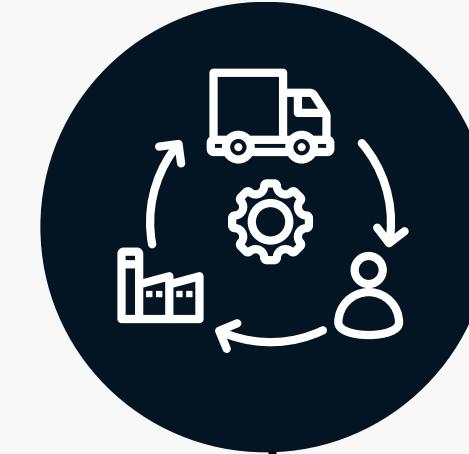
DECENTRALIZED AND DISTRIBUTED LEDGER

Blockchain is a decentralized and distributed ledger technology that ensures secure and transparent transactions.



APPLICATIONS IN FINANCE

Blockchain technology has applications in finance, providing secure and efficient transaction processing.



APPLICATIONS IN SUPPLY CHAIN

Blockchain technology is also used in supply chain management to ensure transparency and traceability of products.



APPLICATIONS IN HEALTHCARE

Blockchain has the potential to revolutionize healthcare by securely storing and sharing patient data.

DATA MINING

Data Mining is the process of discovering patterns and extracting valuable information from large datasets. It is used in areas such as marketing, fraud detection, and customer relationship management.



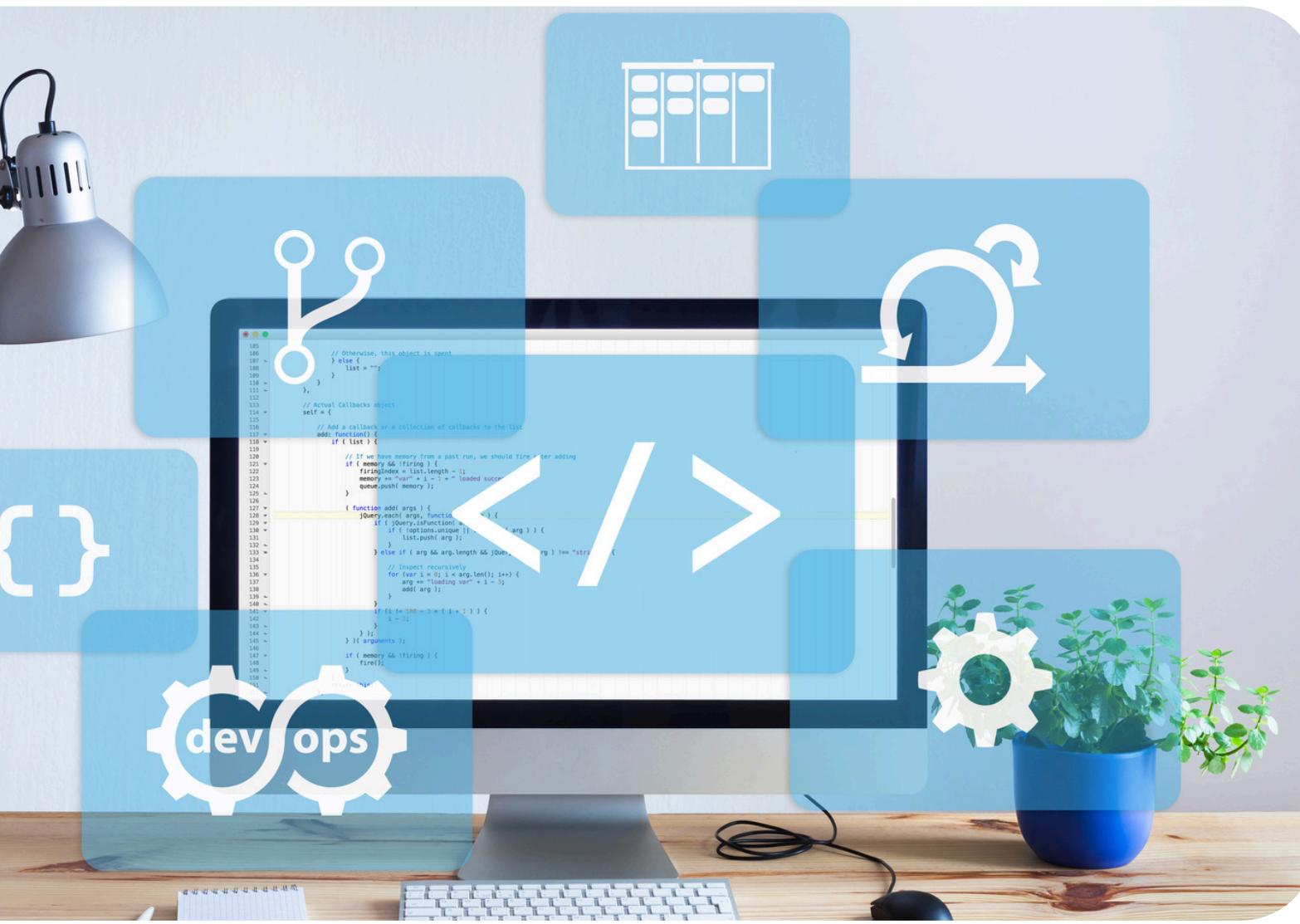


BIG DATA

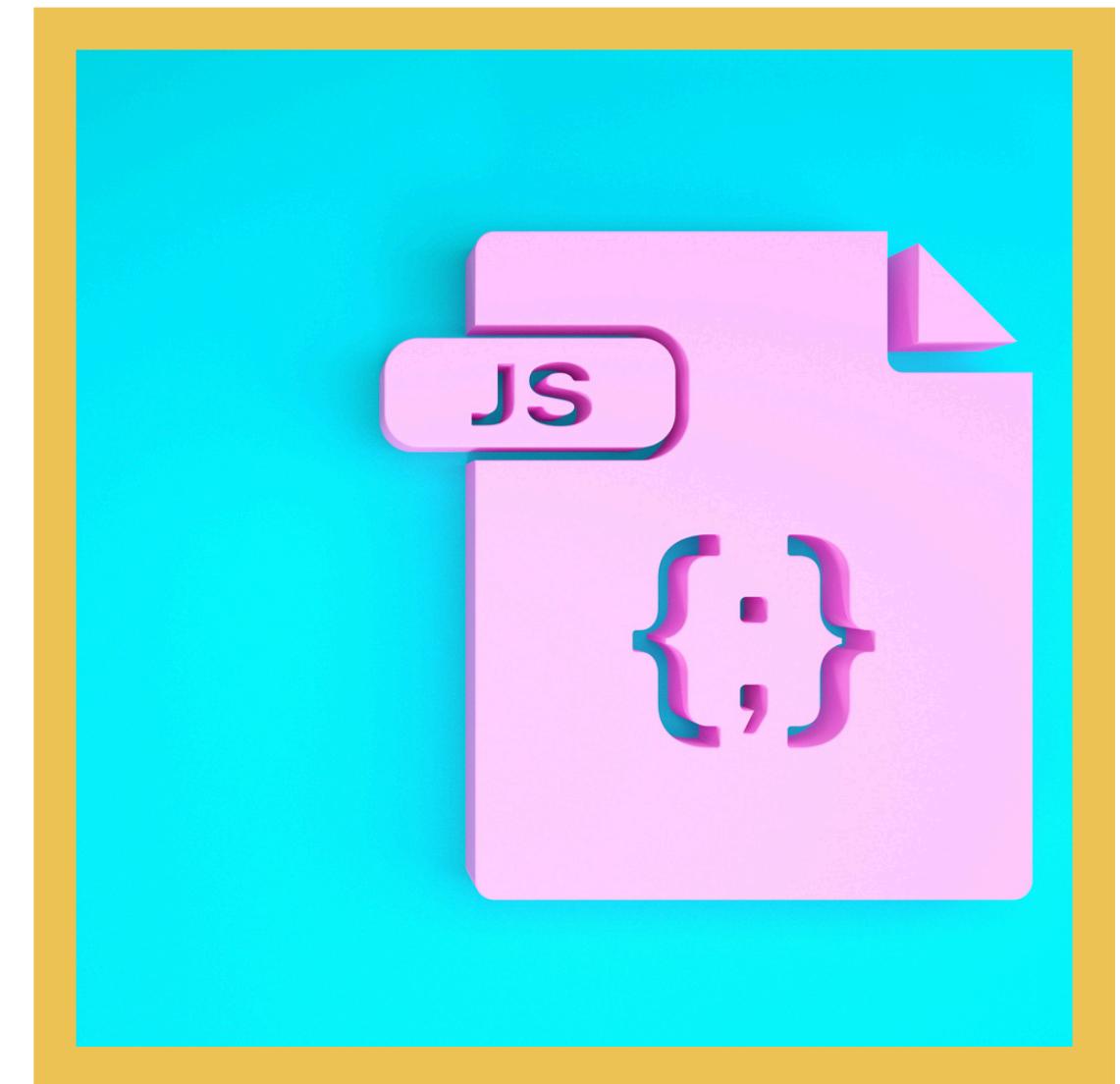
Big Data

Big Data refers to the large volume of structured and unstructured data that organizations collect and analyze for insights. It helps businesses make more informed decisions and improve their operations.

ANGULAR AND REACT



Angular and React are two of the most popular JavaScript frameworks used for building user interfaces. They simplify the development process and enhance the performance of web applications.



Popular JavaScript Frameworks

DEVOPS

INTRODUCTION

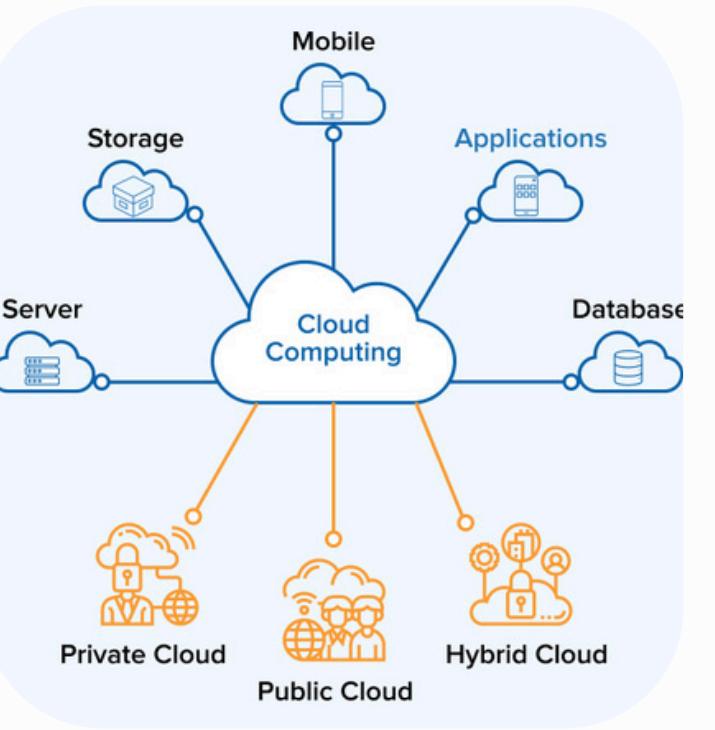
DevOps is a software development methodology that emphasizes collaboration and communication between development and operations teams. It aims to improve the speed and quality of software delivery by breaking down silos and streamlining processes.

COLLABORATION

DevOps encourages collaboration between development and operations teams, breaking down silos and improving communication. This leads to faster and more efficient software delivery, as well as improved quality and reliability.

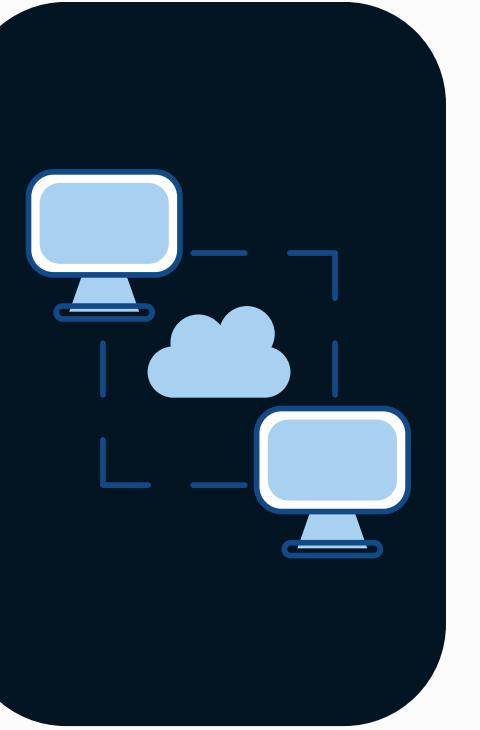
SOFTWARE DELIVERY

DevOps aims to improve the speed and quality of software delivery by automating processes and streamlining workflows. This includes the use of continuous integration and delivery (CI/CD) pipelines, which allow for faster and more efficient testing and deployment of code changes.

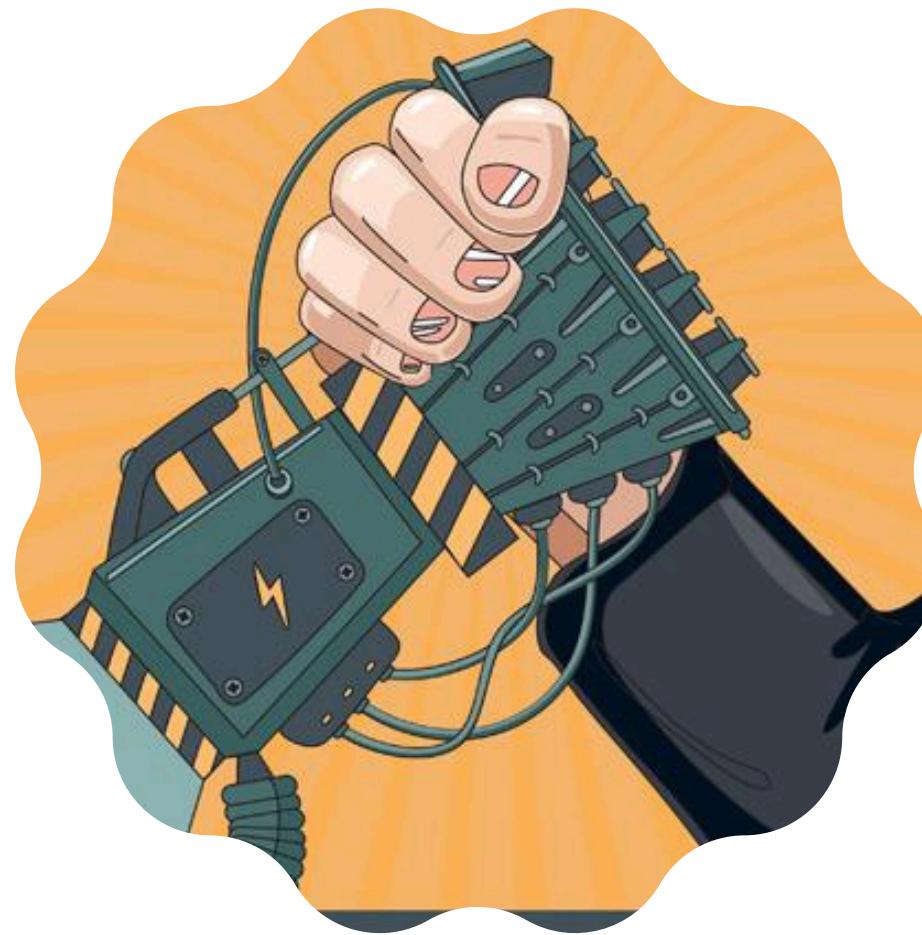


Cloud Computing

Cloud Computing is the delivery of computing services over the internet. It provides on-demand access to resources such as servers, storage, and databases, enabling organizations to scale their infrastructure and reduce costs.



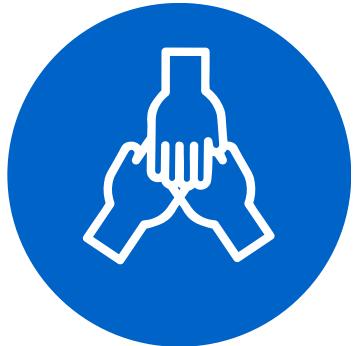
RPA ROBOTIC PROCESS AUTOMATION



RPA, or Robotic Process Automation, refers to the use of software robots or 'bots' to automate repetitive and rule-based tasks. It is a technology that can mimic human actions and interactions with computer systems, allowing for the automation of various business processes.

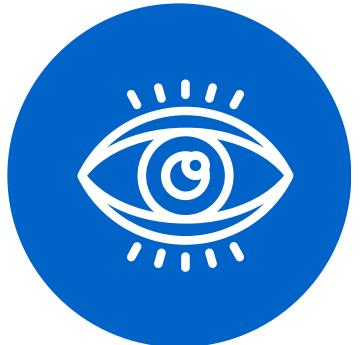


Benefits of RPA



Increased efficiency:

RPA can perform tasks at a much faster rate than humans, leading to improved productivity and reduced processing time.



Improved accuracy:

RPA eliminates the risk of human error, resulting in higher accuracy and reduced rework.



Cost savings:

By automating repetitive tasks, organizations can reduce the need for manual labor and reallocate resources to more strategic work.





AI & ML

Artificial Intelligence (AI)

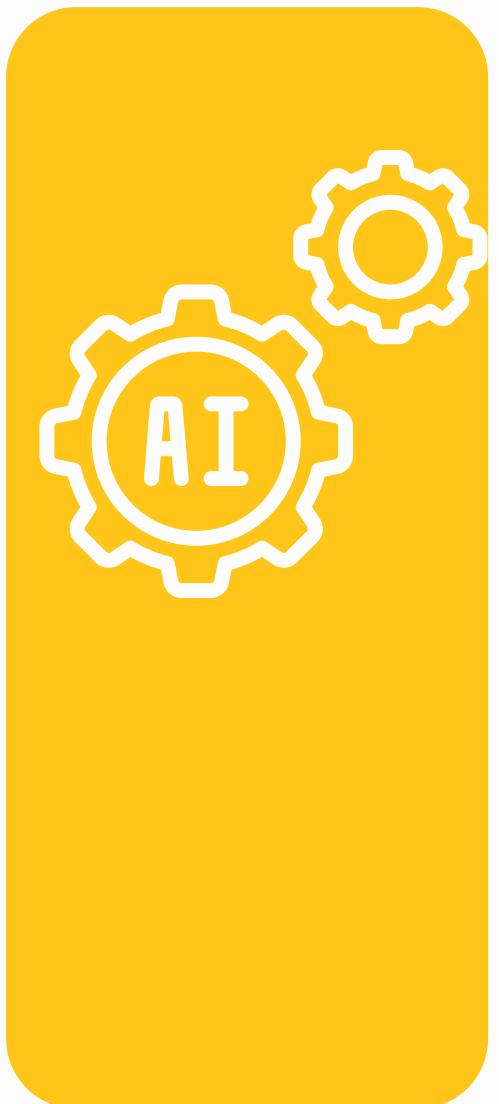
Artificial Intelligence (AI) is a technology that enables computers to perform tasks without explicit programming. It involves the development of intelligent machines that can think and learn like humans.

Machine Learning (ML)

Machine Learning (ML) is a subset of AI that focuses on the development of algorithms and statistical models that enable computers to learn and make predictions or decisions without being explicitly programmed.

Applications in Various Industries

AI and ML have a wide range of applications in various industries, including healthcare, finance, and transportation. These technologies are revolutionizing the way these industries operate and are enabling new possibilities and advancements.



IMPACT OF AI ON HUMANS



Revolutionizing Industries

Write another activity, deadline or milestone here.



Improving Healthcare Outcomes

Write another activity, deadline or milestone here.



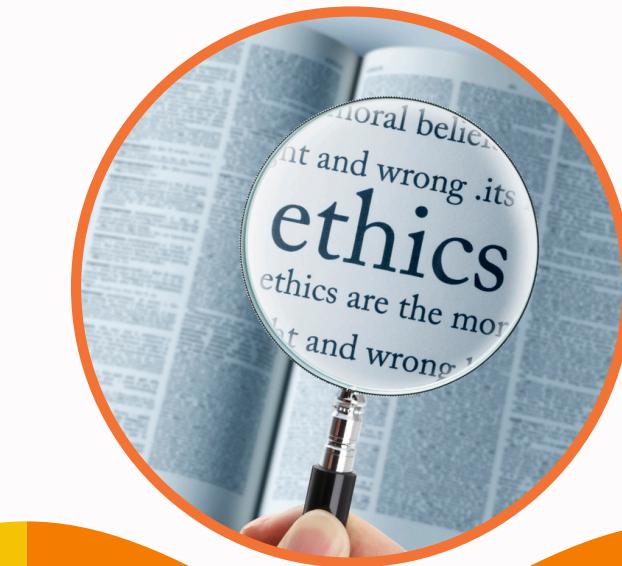
Enhancing Productivity

Write another activity, deadline or milestone here.



Job Displacement

Write another activity, deadline or milestone here.



Ethical Considerations

Write another activity, deadline or milestone here.

Quantum computing

Quantum computing is a multidisciplinary field comprising aspects of computer science, physics, and mathematics that utilizes quantum mechanics to solve complex problems faster than on classical computers.

Finance

Quantum computing has the potential to revolutionize finance by enabling faster and more accurate calculations for complex financial models.

Cryptography

Quantum computing can break many of the encryption methods currently used in finance and other industries, but it can also be used to create new, more secure encryption methods.

Drug Discovery

Quantum computing can accelerate the process of drug discovery by enabling faster and more accurate simulations of molecular interactions.



INTERNET OF THINGS (IOT)

The Internet of Things (IoT) refers to the network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, and connectivity which enables these objects to connect and exchange data.

Smart Homes



Smart Cities



Industrial IoT

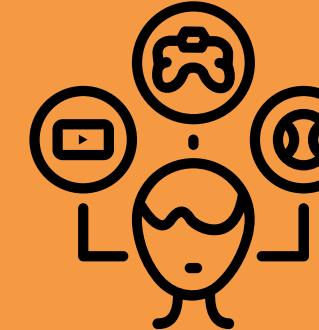


Introduction to Career Planning



Importance of Setting Goals

Career planning begins with setting clear and achievable goals. Goals provide direction and motivation, helping individuals stay focused on their desired career path.



Identifying Strengths and Interests

Understanding one's strengths and interests is crucial for effective career planning. By identifying what one is good at and passionate about, they can align their career choices accordingly.



Creating a Career Roadmap

A career roadmap outlines the steps and milestones needed to achieve career goals. It helps individuals plan their education, skill development, and professional experiences.

Industries and Job Roles

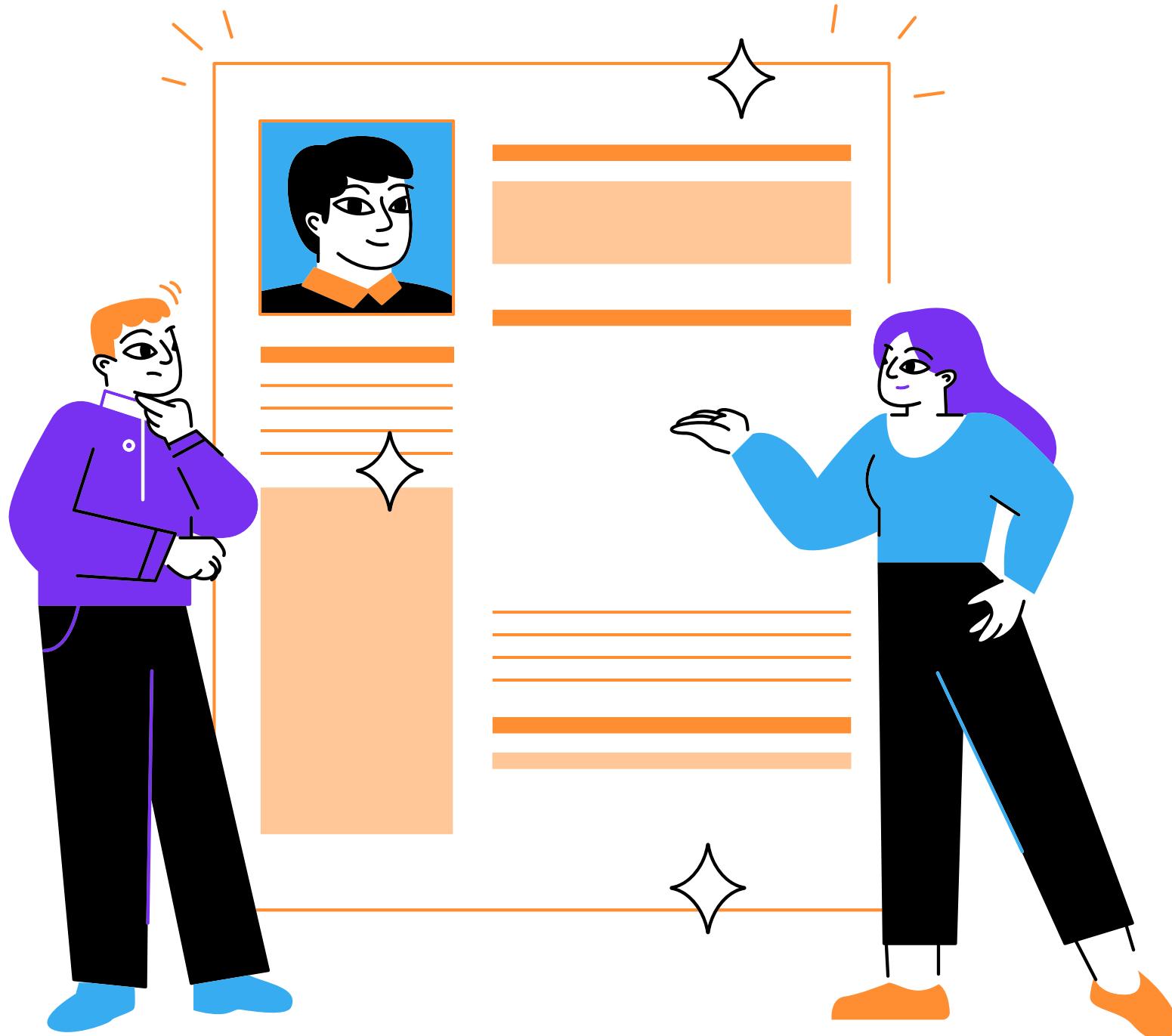


- Technology: Software Engineer, Data Analyst, UX Designer
- Finance: Financial Analyst, Investment Banker, Accountant
- Healthcare: Nurse, Doctor, Medical Researcher
- Marketing: Marketing Manager, Social Media Specialist, Market Research Analyst

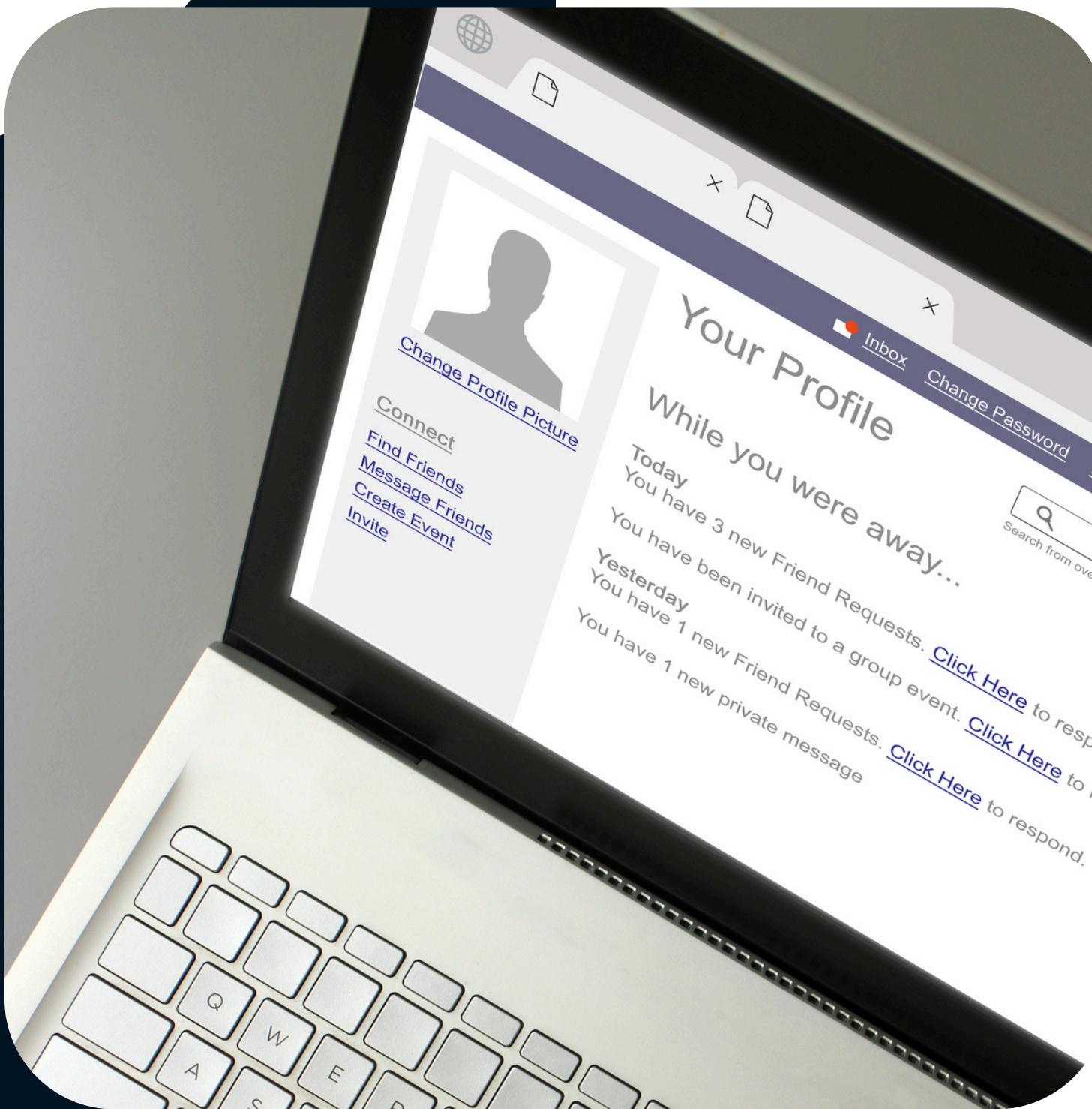
Skills and Qualifications + + +

- Technology: Proficiency in programming languages, problem-solving skills, analytical thinking
- Finance: Strong analytical skills, attention to detail, financial acumen
- Healthcare: Medical knowledge, empathy, attention to detail
- Marketing: Creativity, communication skills, market research abilities

Building Your Resume



- 1 Start with a clear and concise summary or objective statement that highlights your career goals and relevant skills.
- 2 Organize your resume into sections, such as education, work experience, skills, and certifications. Use headings and bullet points to make it easy to read.
- 3 Tailor your resume to each job application by highlighting relevant skills and experiences that align with the job requirements. Use keywords from the job description.
- 4 Quantify your achievements and provide specific examples to demonstrate your impact in previous roles.
- 5 Include relevant technical skills, software proficiency, and any certifications or training programs you have completed.



Optimizing Your LinkedIn Profile

Importance of a Professional Online Presence

A professional online presence is crucial in today's digital age. LinkedIn is a powerful platform that allows you to showcase your skills, experience, and achievements to potential employers and professional connections. It serves as a virtual resume and networking tool, helping you build your professional brand and expand your career opportunities.

Tips for Optimizing Your LinkedIn Profile



Use a professional profile picture that reflects your industry and portrays you in a positive light.



Craft a compelling headline that highlights your expertise and value proposition.



Write a concise and engaging summary that showcases your skills, experiences, and career goals.



List your relevant work experience, including key responsibilities and accomplishments.



Highlight your education, certifications, and professional development courses.

Key Sections to Focus on



Headline

Craft a compelling and descriptive headline that captures attention and highlights your expertise.



Summary

Write a concise and impactful summary that showcases your unique value proposition and career goals.



Experience

Detail your relevant work experience, highlighting key achievements and responsibilities.



Skills

Include a comprehensive list of your skills, ensuring they are relevant to your industry and area of expertise.



Education

Highlight your educational background, certifications, and professional development courses.

Best Practices for Networking on LinkedIn



Networking on LinkedIn can greatly expand your professional connections and open doors to new opportunities. Here are some best practices to enhance your networking efforts:

Connect with professionals in your industry or desired field by sending personalized invitations.

Engage with your network by liking, commenting, and sharing relevant content.

Join industry groups and participate in discussions to showcase your expertise and expand your network.

Attend virtual events, webinars, and conferences to connect with professionals in your field.

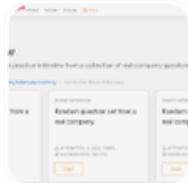
Resources for Preparation



HackerRank



InterviewBit



Leetcode



GeeksforGeeks



Careercup



Glassdoor



Pramp



IndiaBIX



Preplaced



Zety blog



Interview Cake



Quora



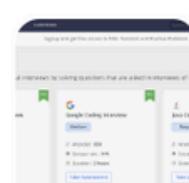
LinkedIn



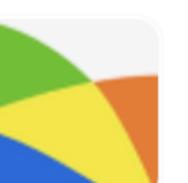
My interview practice



Coderbyte



HackerEarth



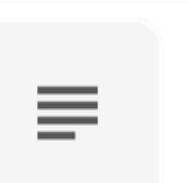
Topcoder



AmbitionBox



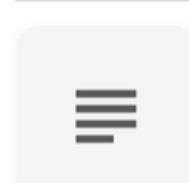
Cracking the Coding Inte...



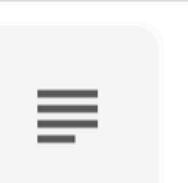
Mock interview



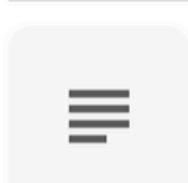
AlgoExpert



Freshersworld



Gainlo



Leetcode questions sort...

Good Companies in industry to start a career with



Deloitte



JPMorgan Chase



Tata Consultancy Services



Accenture



Amazon



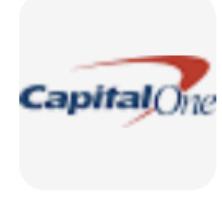
E(Y)



IBM



Reliance Industries Limited



Capital One



Cognizant



H d f c bank



ICICI Bank



Larsen and Toubro



Capgemini



Morgan Stanley



Good Companies in IT industry to start a career with



Tata Consultancy Services ▾



Amazon ▾



IBM ▾



Capgemini ▾



Cognizant ▾



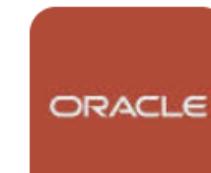
HCL Technologies ▾



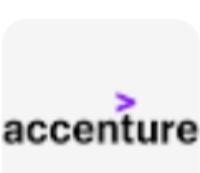
Tech Mahindra ▾



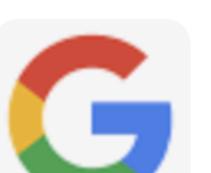
Adobe ▾



Oracle ▾



Accenture ▾



Google ▾



Infosys ▾



Microsoft ▾



Salesforce ▾



Wipro ▾



Apple ▾



Cisco ▾



Deloitte ▾



HubSpot ▾



Reliance Industries Limited ▾



Dell Technologies ▾