



Beyond Coding - Building Professional Identity



Enhancing Your Career with a Strong Professional Presence

Agenda

KEY TAKEAWAYS

- **Career Kickstart**
 - Resume & Interview preparation
 - Creating professional Identity
- **Exploring job prospects**
 - Tech opportunities
 - Non-Tech opportunities
- **Where to Start**

Why create a resume?

- Create a strong and favourable first impression
- Convey that your skills match the job requirements
- Highlights achievements and differentiates from other candidates
- Speaks a great deal about you as a professional

How to write an efficient resume

- Ensure the resume is concise and to the point
- Identify and emphasize the specific sections to be included
- Tailor the resume according to the role and job description
- Focus on what you know and are sure about
- Seek feedback from others
- Use an ATS checker to evaluate the strength of the resume

ATS Checker online Tools :

jobscan.co , resumake.io , hiration.com, resumeworded.com



Crafting a resume

Get an appropriate
resume template

Draft the summary
or career objective
(not mandatory)

Include your
contact
information

Add your
LinkedIn/GitHub
profiles

Include your
educational
background

Include your
professional
experience -
internships

Add relevant
projects

Add your skills
(technical/non-
technical)

Add your
achievements /
certifications

Add Extra-
curriculars or
Hobbies

Dos and Don'ts

DOS	DON'Ts
Use job-specific keywords from the job description	Don't lie or exaggerate
Include quantifiable achievement, like n% accuracy	Don't include personal information such as age or a photo
Highlight relevant skills and certifications	Don't include irrelevant information
Keep the formatting simple and stick to regular readable fonts	Don't use generic resumes. Tailor resumes for each role
Use standard headings like work experience," "education," and "skills."	Don't over-decorate or use too much colours
Use strong action verbs like "developed," "led," "designed,"	Avoid technical jargon or acronyms

Sample Resume

Template Used

FULL NAME 123 Street Name, Coimbatore, Tamil Nadu 638123 📞 123-456-7890 ✉ email@gmail.com 🌐 linkedin.com/in/username 🏠 github.com/username	
Education	
Coimbatore Institute of Technology <i>Bachelor of Technology in Information technology</i>	Coimbatore, Tamil Nadu <i>Sep. 2020 – May 2024</i>
School Name XXX <i>Class XII, 92%</i>	Salem, Tamil Nadu <i>June 2018 – May 2020</i>
School Name YYY <i>Class X, 98%</i>	Salem, Tamil Nadu <i>June 2016 – May 2018</i>
Relevant Coursework	
<ul style="list-style-type: none">• Data Structures• Software Methodology• Cloud Computing• Database Management• Web Technology• Computer Networks• Systems Programming• Computer Architecture	
Internship/Implant training	
Electronics Company <i>Software Engineer Intern</i>	May 2020 – August 2020 <i>Chennai, Tamil Nadu</i>
<ul style="list-style-type: none">• Developed a service to automatically perform a set of unit tests daily on a product in development in order to decrease time needed for team members to identify and fix bugs/issues.• Incorporated scripts using Python and PowerShell to aggregate XML test results into an organized format and to load the latest build code onto the hardware, so that daily testing can be performed.• Utilized Jenkins to provide a continuous integration service in order to automate the entire process of loading the latest build code and test files, running the tests, and generating a report of the results once per day.• Explored ways to visualize and send a daily report of test results to team members using HTML, Javascript, and CSS.	
Startup, Inc <i>Front End Developer Intern</i>	May 2019 – August 2019 <i>Remote</i>
<ul style="list-style-type: none">• Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.• Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.• Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.• Utilized Android Studio as a development environment in order to visualize the application in both iOS and Android.	
Projects	
Ticket Price Calculator App <i>Java, Android Studio</i>	November 2020
<ul style="list-style-type: none">• Created Android application using Java and Android Studio to calculate ticket prices for trips to museums in Chennai• Processed user inputted information in the back-end of the app to return a subtotal price based on the tickets selected.• Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.	
Transaction Management GUI <i>Java, Eclipse, JavaFX</i>	October 2020
<ul style="list-style-type: none">• Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.• Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.• Implemented object-oriented programming practices such as inheritance to create different account types and databases.	
Technical Skills	
Languages: Python, Java, C, HTML/CSS, JavaScript, SQL	
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio	
Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress	
Achievements and Certifications	
Hackathon: Won first place in the XYZ Coding Hackathon, developing a real-time chat application with a team of 5	
Coding Competition: Secured a top 10 position in the National Coding Competition, out of over 500 participants	
Certified Data Scientist: Completed the Data Science Professional Certificate from Coursera focused in data analysis, machine learning and statistical modeling.	
Leadership / Extracurricular	
Rotaract Club <i>President</i>	June 2023 – Present <i>Coimbatore Institute of Technology</i>
<ul style="list-style-type: none">• Achieved a 4 star fraternity ranking by the Office of Fraternity and Sorority Affairs (highest possible ranking).• Managed executive board of 5 members and ran weekly meetings to oversee progress in essential parts of the chapter.• Led chapter of 30+ members to work towards goals that improve and promote community service, academics, and unity.	

Interview Preparation

Stages of a typical interview

- Aptitude/Coding test
- Coding interview
- Technical interview
- HR interview

How to get ready for coding rounds?

- Have a strong grasp of programming fundamentals
- Familiarize yourself with various algorithm implementations and problem types
- Work on problem-solving skills
- Practice a variety of coding problems in coding platforms such as Leetcode, HackerRank, etc.
- Practice solving problems under time constraints
- Review solutions and gain insights



Interview Preparation



How to prepare for aptitude?

- Get familiar with quantitative aptitude
- Understand key concepts in mathematics, logic, and data interpretation
- Concentrate on technical aptitude
- Practice regularly and emphasize time management skills

Resources: [Indiabix.com](https://www.indiabix.com), [Fresherworld.com](https://www.fresherworld.com), etc.

Get ready for an interview

- Craft your self-introduction
- Prepare for personal profile questions
- Prepare for technical and HR interview questions such as cultural fit, behavioral questions, and company values
- Research the company and prepare your own questions
- Practice good etiquette
- Conduct mock interviews

Resources: [hackerrank.com](https://www.hackerrank.com), [leetcode.com](https://www.leetcode.com), [interviewing.io](https://www.interviewing.io), etc.

Creating professional Identity

01

Define your brand

- Identify core strengths.
- Clarify your values and goals.
- Define your unique value proposition.
- Know your target audience
- Enforce consistency across every platform

02

Create a Digital Identity

- Create a profile on platforms like LinkedIn, Naukri, Indeed, etc.
- Write a compelling headline
- Summarize your expertise
- Update your latest experience, certifications, and accomplishments

03

Optimize your Profile

- Incorporate industry specific terms
- Research competitors and job listings
- Use action-oriented keywords
- Keep profiles updated and tailor for specific roles

Creating professional Identity

04

Outline skills with projects

- Display skills that align with your field of expertise
- Showcase projects that illustrate your skills
- Set up GitHub repositories with clear naming conventions and comprehensive descriptions
- Highlight achievements and results

05

Post a resume

- Upload your resume to social profiles
- Incorporate relevant keywords in resume
- Use a clean, professional format for your resume
- Include a brief mention of your resume in your profile summary

06

Networking and learning

- Build and nurture professional connections
- Engage in communities
- Stay updated with the latest trends, tools.
- Obtain relevant certifications that can boost your credibility.

Tech Opportunities – Traditional roles

Software Development

Roles: Front-end Developer, Back-end Developer, Full-stack Developer, Mobile App Developer

Skills : Java, Python, JavaScript, Software development life cycle, Agile methodologies, Git

Data science and analytics

Roles: Data Scientist, Data Analyst, Machine Learning Engineer, Business Intelligence Analyst.

Skills: SQL, Python/R, Excel, Statistical analysis, machine learning algorithms, data visualization tools (Tableau, Power BI)

UI/UX Design

Roles: UX Designer, UI Designer, Interaction Designer, Visual Designer.

Skills: Wireframing, prototyping, user research, graphic design tools (Adobe XD, Sketch, Figma)

Note : Prepare a portfolio

Architect Roles

Roles: Technical Architect, Cloud Architect, IT Architect, Solution Engineer

Skills: strong expertise in system design, problem-solving, and communication

Devops and System Admin

Roles: DevOps Engineer, Systems Administrator, Cloud Engineer.

Skills: Automation tools (Jenkins, Docker, Kubernetes), cloud platforms (AWS, Azure, Google Cloud), system monitoring, and maintenance.

Cloud Roles

Roles: Cloud Engineer, Cloud Developer, Cloud Security engineer, Cloud consultant.

Skills: Proficiency in cloud platforms (AWS, Azure, GCP), Hypervisor and Data Visualization, Database Skills, Security and Recovery

Tech Opportunities – Emerging roles

Artificial Intelligence (AI) and Machine Learning (ML)

Roles: AI Research Scientist, Machine Learning Engineer, AI/ML Developer.

Skills: Deep learning frameworks (TensorFlow, PyTorch), natural language processing (NLP), neural networks, big data technologies

Cybersecurity

Roles: Cybersecurity Analyst, Penetration Tester, Security Engineer, Security Architect.

Skills: Network security, cryptography, ethical hacking, risk assessment, compliance and regulatory knowledge.

Blockchain and Cryptocurrency

Roles: Blockchain Developer, Blockchain Solution Architect, Crypto Analyst.

Skills: Understanding of blockchain protocols, smart contracts, decentralized applications (DApps), Solidity programming.

Internet of Things (IoT)

Roles: IoT Developer, IoT Architect, IoT Systems Engineer.

Skills: Embedded systems, sensor networks, IoT platforms (AWS IoT, Google Cloud IoT), real-time data processing.

Non-Tech Opportunities

Product Management

Roles: Product Manager, Technical Product Manager

Skills: Project management, user experience (UX) principles, market research, stakeholder management

Project Management

Roles: Project Manager, Program Manager, Project Coordinator

Skills: Leadership, Communication, team management, planning and Organization, Risk Management, Budgeting and Financial Management

Customer Service and Support

Roles: Customer Service Representative, Account Manager, Support Specialist

Skills: Communication Skills, Emotional Intelligence, Problem-Solving, Patience and Resilience, Product Knowledge, Technical Proficiency



Non-Technical skills



Communication Skills
(Written + verbal)



Problem-Solving



Time Management



Teamwork



Adaptability



Leadership





Where to start

Key areas to concentrate

- Data structures and Algorithm
- Database management system
- Operating Systems
- Object Oriented Programming
- Computer Networks (Networking roles)
- Software Development (SDLC)
- Web Technology

Significant projects in the college curriculum

- Labs: C, C++, Java, SQL, DSA, Web technology, OS lab (Unix/Linux, shell)
- Website designed in Web Technology lab (using HTML, CSS, Javascript)
- Java project with jdbc connectivity
Tools used: (Netbeans/Eclipse, Xampp etc..)
- Web Technology project - Ruby on Rails framework



Where to start

Job search resources and strategies

- University-sponsored Hackathons
- Corporate Hackathons

Online Platforms to find Hackathons: Devpost, Hackathon.com

- ACM International Collegiate Programming Contest
- Coding contest by platforms like geeksforgeeks, leetcode, HackerRank
- Google Summer code up
- Microsoft internship

Job
experience



Thank you