

Rishi Chhabra

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- Location: Noida, Uttar Pradesh, India

Objective To secure a position where I can efficiently contribute my skills and abilities to the growth of the organization and build my professional career.

Skills:

1. **Programming Languages:** Proficient in C++, Python, Dart, SQL, and Swift. Knowledgeable in scripting languages and technologies such as HTML and CSS.
2. **Cloud Technologies:** Competence in using AWS services, including Document DB, MongoDB, and Firebase. Also proficient in cloud integration with Flutter applications and deployment of applications.
3. **IoT:** Experience in working with hardware such as Raspberry Pi, NodeMCU, and ESP8266 for IoT projects. Familiarity with relay control and PIR sensors for automation tasks.
4. **APIs and Networking:** Strong knowledge of REST APIs, Postman API, and computer networking protocols. Experience in integrating APIs in mobile and web applications.
5. **Web and App Development:** Proficient in developing applications with Flutter and Swift. Have experience in web development with HTML and CSS, and experience in deployment and maintenance of applications.
6. **Data Structures and Algorithms:** Solid understanding and experience in solving complex problems using data structures and algorithms.
7. **Databases:** Hands-on experience with Firebase, AWS DocumentDB, MongoDB. Proficient in implementing CRUD operations and integrating databases into Flutter applications.
8. **Hardware:** Experienced in building PCs and laptops, capable of diagnosing and resolving hardware issues.
9. **Software:** Proficient in Microsoft PowerPoint and Excel. Have experience in video editing with Da Vinci Resolve, video streaming on YouTube, and photo editing.
10. **Other Skills:** Excellent problem-solving skills, good communication and teamwork abilities, a keen eye for design, fluent in English, Hindi, and French.

Education

- Pursuing B.Tech in Computer Science and Engineering from Central University Haryana, Mahendragarh, Haryana.
- 12th from Delhi Public School Indirapuram, Ghaziabad (CBSE Board) with 88.6% in 2020
- 10th from Delhi Public School Indirapuram, Ghaziabad (CBSE Board) with 88.6% in 2018

Internships

1. Unicel Corporation (now Watter)

- Title: Watter App and Website Development
- Organization: Unicel Corporation (now Watter)
- Duration: August 2022 - Present
- Domains: Flutter, Firebase, InfluxDB, Postman, IoT
- Brief: Developed a smart water tank management web application and website, [Watter.co.in](https://watter.co.in). The system displayed data stored in InfluxDB via Postman and Firebase Firestore Cloud in the form of graphs and tables. Responsible for developing and testing application features including data visualization and user authentication. The application is in the prototype stage.
- Local Newspaper Article –
https://drive.google.com/file/d/1y94Lu38Gi_7A2PxX_8KDDnwYDe5ZUyYV/view?usp=share_link

2. Dappunk

- Title: Social Media Application Development
- Organization: Dappunk
- Duration: January 2023 - Present
- Domains: Flutter, Web3, NFT Blockchain, Firebase
- Brief: Contributed to the development of a social media application leveraging Web3 and NFT Blockchain. My contributions include UI development, implementing light and dark themes, and setting up push notifications. The platform allows users to create, share, and monetize content in a secure, decentralized environment.
- Certificate-
https://drive.google.com/file/d/1fjnDJZRd5loGoqzE4McyJWFZ7UCTfbaD/view?usp=share_link

Projects:

1. **Roamwise Travel App**

Organization: Personal Project

Duration: October 2022 - Present

Domains: Flutter, Firebase, Recommendation System, Chatbot

Details: Development of an end-to-end mobile application for travelers, incorporating a recommendation system and a chatbot for enhanced user experience. The application uses cloud services with MongoDB and Natural Language Processing for the chatbot. It is currently in the development stage and live on TestFlight for iOS.

2. **Personal Portfolio Website**

Organization: Personal Project

Duration: June 2023 - Present

Domains: HTML, CSS

Details: Creating a personal portfolio website using HTML and CSS. The website serves as a showcase for my projects, skills, and experiences, presented in an interactive and user-friendly manner.

3. **IoT Smart Classroom Automation**

Organization: College Major Project , Central University Haryana

Duration: March 2023 - Present

Domains: IoT, Raspberry Pi, NodeMCU, Relay Control

Details: Building a smart classroom automation system using NodeMCU and Raspberry Pi as a hub relay to control lights using PIR sensors and a Flutter application.

4. **Product Verification through QR/Barcode Using Blockchain**

Organization: Personal Project

Duration: December 2022 – January 2023

Domains: Flutter , Blockchain , Firebase, Smart Contracts

5. *Details:* Designing a system that leverages Ethereum blockchain to deploy smart contracts for product verification. Product information is stored in QR codes and NFC tags, allowing for secure and reliable product authentication. Worked on few UI elements and using smart contracts and it's live on TestFlight for iOS.

6. **Attendance App**

Organization: College Minor Project , Central University Haryana

Duration: August 2022 – October 2022

Domains: Flutter, Firebase

Details: Development of an attendance marking and tracking application, employing Firebase for backend services. Implemented Role-Based Access

Control (RBAC) for differentiated access permissions across student, staff, and admin roles. Worked on user authentication (Role-Based), UI elements.

7. **School Management System**

Organization: Delhi Public School Indirapuram, Ghaziabad

Duration: January-February 2020

Domains: C++

Details: Developed a system to manage school records effectively. The system allows safe storage and easy retrieval of student and staff information, making the task less time-consuming.

8. **Line Following Robot**

Organization: Delhi Public School Indirapuram, Ghaziabad

Duration: September-October, 2017

Domains: Arduino, Robotics

Details: Built an autonomous robot capable of following either a black or white line on a contrasting surface. The robot uses several sensors to stay on track, enhancing its navigational capabilities.

9. **Remote Controlled Car**

Organization: Delhi Public School Indirapuram, Ghaziabad

Duration: October-December, 2017

Domains: Wi-Fi technology, Arduino

Details: Designed and implemented a remote-controlled car utilizing Wi-Fi technology for control through computer or mobile devices. It uses the wireless module of ESP8266 for transmission and Arduino Uno as a microcontroller.

10. **Obstacle Avoiding Robot**

Organization: Delhi Public School Indirapuram, Ghaziabad

Duration: November-December, 2017

Domains: Arduino, Robotics

Details: Created a robot capable of automatically sensing and avoiding obstacles in its path. This allows the robot to navigate in unknown environments while avoiding collisions.

Courses:

1. **Title:** AWS Certified Cloud Practitioner (In progress)

- **Organisation:** Amazon Web Services (AWS)
- **Duration:** June 2023-Present
- **Brief:** A foundational course that provides a detailed understanding of AWS cloud, its architectural principles, security aspects, and basic cloud pricing. The course also includes an overview of different AWS services and how they integrate and interact with each other.

2. **Title:** Competitive Programming

- **Organisation:** LeetCode/HackerRank
- **Duration:** October 2022-Present
- **Brief:** Actively solving complex problems related to data structures, algorithms, and SQL. Completed over 120+ problems which enhanced my analytical skills and programming proficiency.

3. **Title:** Google IT Automation with Python

- **Organisation:** Coursera
- **Duration:** March-June 2022
- **Brief:** Acquired knowledge in Python and its application in automating common system administration tasks. Also, learned about Git, GitHub, troubleshooting, and debugging complex problems, and the implementation of automation at scale using configuration management and cloud services.

4. **Title:** Google Data Analytics

- **Organisation:** Coursera
- **Duration:** January-March 2022
- **Brief:** Learned how to clean data, apply problem-solving strategies, think critically, and communicate effectively. Gained hands-on experience in data ethics and visualization using Presentations, Spreadsheets, SQL, Tableau, and R Programming.

5. **Title:** Robotics with Arduino

- **Organisation:** Delhi Public School Indirapuram, Ghaziabad
- **Duration:** July-December 2017
- **Brief:** The course provided a hands-on experience in building and programming robots using Arduino and ESP boards. Gained skills in circuit design, C++ programming, and troubleshooting. The final project involved building a functioning robot with autonomous and remote control modes.

6. **Title:** Astronomy

- **Organisation:** Delhi Public School Indirapuram
- **Duration:** July-December 2017
- **Brief:** Explored the universe and its phenomena, including deep sky observations using telescopes, learning about various celestial bodies, and gaining an understanding of astronomical concepts. Participated in a four-day camp that included stargazing sessions, mapping constellations, and learning about telescope operation and maintenance.

References:

1. **Amitabh Srivastava**
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2. **Girish Narang**
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Personal Details:

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Languages Known: English, Hindi, and French