

# Ashwani Saraswat

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## SUMMARY

**B.Tech Computer Science student with strong background in Python, SQL, Flask and data visualization** with hands-on experience in analytics and dashboard creation using Pandas, NumPy, and Power BI. Passionate about building secure web applications and exploring backend development with Flask.

## EDUCATION

**Arya Institute of Engineering and Technology**, Jaipur — B.Tech in Computer Science

Aug 2022 – May 2026 | CGPA-8.4/10,

Senior Secondary (Class XII), M S Public School, Agra

Stream: Science, Central Board of Secondary Education (2021–2022)

Percentage: 89.80%

## CERTIFICATIONS

- **Data Analytics Virtual Internship – Learn and Build | Jul 2024 – Aug 2024** Gained hands-on experience with NumPy, Pandas, SQL, and Power BI.
- **C Language and Technical Communication** – NPTEL (IIT Madras) | 2023
- **Python Basic Certification** (HackerRank)
- **AWS APAC Solutions Architecture Simulation** – Forage | Completed cloud architecture tasks in a real-world virtual job simulation.

## PROJECTS

- **Jovian Careers Web App** — Jan 2025 – Present / Flask, HTML, CSS, JavaScript, SQLite: **Designed and deployed a full-stack job listings web application** using **Python (Flask)**, **PostgreSQL**, and **SQLAlchemy**, with features like **role-based access control**, **form validation (WTForms)**, and **RESTful API endpoints**. Utilized **Bootstrap** for responsive frontend design and implemented **CI/CD** workflows via **Git** and **Render** deployment. Live App-[ [Link](#) ] | GitHub link-[ [Repo](#) ].
- **Weather Detector Web App** – Technologies: Django, HTML, CSS, OpenWeatherMap API: Built a weather detection application that fetches real-time weather data based on user input. Integrated external API for live updates and designed a clean UI for intuitive user experience.
- **Airtel Churn Dashboard** — Power BI Dec 2024 Created an interactive dashboard to analyse customer churn. Used filters, charts, and KPIs to help interpret business insights for retention strategies.
- **Virtual Assistant Prototype (Python)**: Built a Python-based voice assistant using Speech Recognition and automation libraries. Enabled voice commands to open websites and automate basic tasks.
- **Chess Game (Python, Pygame) (In progress)**: Currently developing a functional player-vs-player chess game using Python and the Pygame library, focusing on game logic design and user interface development.
- **Live Weather App** — Built a Python-based Weather App using API key and successfully fetched, called and displayed data with attractive weather images.

## SKILLS

- **Programming Languages:** Python, C, C++ , Basic Java
- **Libraries & Frameworks:** Django (Beginner), Flask, NumPy, Pandas, Matplotlib
- **Databases:** SQL , Basic PostgreSQL
- **Tech Used:** Django, Flask, SQLAlchemy, Jinja2
- **Tools & Platforms:** MySQL, Power BI, Git, GitHub, Jupyter Notebook, VS Code
- **Web Development:** HTML, CSS, JavaScript
- **Languages:** English (Fluent), Hindi (Native), Japanese (Beginner)

## Extracurricular Activities

- Successfully participated in a coding event named "CodeVita" organised by Arya Institute of Engineering & Technology.
- Obtained certification: AWS APAC - Solutions Architecture Job Simulation from Forage!