

# Swapnil Saxena

swapnilsaxena13@gmail.com | +91-8445183760 | [linkedin.com/in/swapnilsaxena13](https://www.linkedin.com/in/swapnilsaxena13) | [github.com/swapnilsaxena13](https://github.com/swapnilsaxena13)

## TECHNICAL SKILLS

**Languages & Programming:** Python, Java, Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPs)

**Cloud & DevOps:** AWS, Azure, GitHub, CI/CD

**Web Development:** HTML, CSS, JavaScript

**Tools & Platforms:** Jenkins, Google Sheets API, GitHub Pages

**Soft Skills:** Strong problem-solving, Effective communication, Team collaboration, Adaptability

## PROJECTS

### Personal Portfolio Website [Website Link](#) [GitHub Link](#)

- Designed and developed a **responsive portfolio website** using **HTML, CSS, and JavaScript**, featuring smooth animations and a theme switcher.
- Integrated a **contact form with Google Sheets API** for real-time submissions and ensured **mobile-friendly UI/UX**.
- Deployed the website on **GitHub Pages** with **version control** using GitHub for seamless updates..

### Implemented complete CI/CD Pipeline [Project Document](#)

AWS CodePipeline | GitHub | AWS CodeDeploy | AWS EC2

- Developed an **AWSCodePipeline** to streamline the progression of updates from our **GitHub repository** to the deployment of our application.
- Utilized **AWS CodeDeploy** to roll out the Python application on an **EC2** instance for seamless deployment.

### Deploying Server using VPC

- Deployed a production-grade **Virtual Private Cloud (VPC)**. Implemented highly available server architecture across two Availability Zones utilizing Auto Scaling Groups and an Application **Load Balancer**.
- Configured servers within **private subnets** with secure connectivity through a **NAT Gateway**.

## WORK EXPERIENCE

### TopperWorld | Java Programming [Certificate Link](#)

Feb '24- Mar '24

- Engineered an engaging Java Number Guessing Game incorporating user input, random number generation, and win/lose scenarios.
- Created a basic ATM simulation application that addresses the need for secure and efficient management of user accounts, allowing users to perform fundamental banking operations.

### Celebal Technologies | Cloud Infrastructure and Security Department [Certificate Link](#)

May '23 – July '23

- Acquired fundamental understanding of the Microsoft Azure cloud platform through hands-on experience during the internship.
- Implemented On-Premises to Hub and Spoke connectivity utilizing S2S tunneling and VNet Peering for efficient network communication.
- Facilitated seamless bi-directional interaction between On-Premises VM, Hub VM, and Spoke VMs to optimize network performance and connectivity.

## ACHIEVEMENTS

- Celebal Internship:** Earned [Silver Badge](#) for exceptional performance, worked extensively with Azure services.
- HackerRank:** 4-star rating in SQL proficiency and [SQL Basic Certification](#).
- AWS Academy:** Certified in [Cloud Foundation and Introduction to Cloud](#), with hands-on knowledge of AWS services.

## EDUCATION

**University of Petroleum and Energy Studies Dehradun, India**

B.Tech CSE (Cloud Computing and Virtualization Technology) CGPA: 7.83

August 2020– July 2024

Dehradun, Uttarakhand

**Sacred Hearts Senior Secondary Public School, Bareilly**

CBSE (Class XII) Percentage: 79.8%

April 2019– March 2020

Bareilly, Uttar Pradesh

**Sacred Hearts Senior Secondary Public School, Bareilly**

CBSE (Class X) Percentage: 89%

April 2017– March 2018

Bareilly, Uttar Pradesh