# Shahan Ali

Moradabad, UP  ✉ shahanali252002@gmail.com  ☐ 7017710900  in linkedin.com/shahan-ali-  ◈ github.com/shahanxali

## SUMMARY

Final year Computer Science student with a strong proficiency in C++ and a solid foundation in Data Structures and Algorithms (DSA). With over 300 competitive programming problems solved and contributions to 10+ GitHub projects. I am eager to apply my skills to develop innovative and impactful solutions.

## PROJECTS

**Snake Sensei** ✎

University of Petroleum and Energy Studies | Major Project

- Leveraging deep Q-learning to create a self-learning agent to play the classic Snake game, improving performance through trial and error.
- Utilized PyTorch to build a neural network that adapts to challenges in real-time, achieving a 30% reduction in collision rates.

**Shoot'n Shield** ✎

University of Petroleum and Energy Studies | Minor Project - 2

- Developed an endless 2D shooting game using Unity and C#, featuring dynamic gameplay across four distinct levels.
- Integrated adaptive level progression to enhance player experience.

**Mendeleev's Marvel** ✎

University of Petroleum and Energy Studies | Minor Project - 1

- Created an educational puzzle game using OpenGL and C++, focusing on teaching the periodicity of elements from the periodic table.
- Enhanced runtime performance by 5% compared to similar games developed using game engines.

**Question Sharing App** ✎

- Developed a classroom question-sharing application using Flutter and Dart.
- Enable teachers to create QR codes for questions and students to scan and answer them efficiently.

**Personal Portfolio** ✎

deployed.portfolio.github.io

- Personal portfolio to show my interests, skills, achievements etc.
- Used languages HTML, CSS, JavaScript and frameworks like Bootstrap.

## SKILLS

**Languages:** C, C++, Python, JavaScript

**Database:** SQL, MySQL

**Technical:** Git, GitHub, AWS, HTML, CSS, Unity, Selenium, OpenGL, Flutter

**Others:** Data Structure, Algorithms, Object Oriented Programing, DBMS,

## EDUCATION

**Bachelors in Technology - Computer Science and Engineering**

University of Petroleum and Energy Studies, Dehradun, Uttarakhand | 2025

- CGPA: 7.32
- Major: Graphics and Gaming
- Minor: Machine Learning

**Intermediate**

SS Children's Academy, Moradabad, Uttar Pradesh | 2021

- Percentage: 67.80%

# INTERNSHIPS

**IBM**

Online | June 2024 - July 2024
- Worked on Adaptive Difficulty Adjustment (ADA) for gaming tasks.
- Designed a 2D game using the Unity game engine under the mentorship of Phemsoft engineers.

**Social Internship**

Anukulan NGO, Moradabad | June 2022 - July 2022
- Participated in community development activities and gained practical experience in social work..

# ACHIEVEMENTS AND CERTIFICATIONS

**AWS Developer Associate** 🔗
- Completed certification in May 2024 under CloudThat, an AWS Advanced Tier Training Partner.

**Leetcode**

leetcode/shahanxali
- Maintaining an ongoing continuous streak of solving 120+ daily questions
- Batches: 3 Daily Medals (June, July, August) and 2 Competition Medals (50 days, 100 days)
- Questions solved: 70+ Easy, 120+ Medium, 20+ Hard.

**HackerRank**

hackerrank/shahanxali
- Gold Level in C
- Silver Level in Python
- Silver Level in Problem Solving
- Bronze Level in C++
- Earned 2881 Hackos to date