

# SHIVAM GUPTA

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## Skills

- **Programming Languages:** C++, Java, Kotlin, Python
- **AI/ML Frameworks:** Pandas, Numpy, Fast API, PyTorch, Pytorch Lightning, Transformers, Hugging Face
- **Technologies & Tools:** Machine Learning, Android Development, Figma, Android Studio, Git/GitHub
- **Databases and Data Management:** SQL, Firebase(Authentication, Firestore, Storage, Cloud Messaging)
- **Coursework:** OOPs, Operating Systems, DBMS, DSA, Networking, Software Engineering
- **Languages:** English, Hindi (Professional proficiency)

## Education

### MCA, NIT Jamshedpur

Master of Computer Application - 7.96 CGPA

Jharkhand, India 08/2022 - 06/2025

### BCA. The Heritage Academy

Bachelor of Computer Application - 8.74 CGPA

Kolkata, West Bengal 08/2018 - 07/2021

## Experience

### Data Science Intern at Oriserve:

12/2024 - Present

- Developed and Fine-tuned ML models for NLP tasks, including Hinglish-to-Hindi transliteration.
- Improved C++ inference for Speech-to-Text Whisper model for faster processing.
- Optimized PyTorch functions in C++ to enhance performance.
- Built & deployed AI-based chatbots using LLMs and FastAPI.

## Projects

### • [Predico:](#)

**Stack:** Python, Django, PostgreSQL, HTML/CSS/JavaScript

**Description:** Developed a web-based doctor-patient consultation system where users can create and manage doctor and patient profiles, securely storing consultation histories. Implemented disease prediction functionality leveraging Scikit-learn for machine learning, allowing users to predict diseases based on symptoms with a confidence score.

### • [Wize:](#)

**Stack:** Java, Android Studio, Firebase, Figma

**Description:** Developed a user-friendly application to connect like-minded individuals, allowing profile reviews, communication, and exploration of various topics.

### • [CryptShield X50:](#)

**Stack:** C++

**Description:** Designed an encryption and decryption algorithm with a key utilizing over  $10^{50}$  combinations, ensuring high security for messages.

## Achievements

- **Codeforces:** Pupil with maximum rating **1243\*** under the handle shivam08oct. Solved more than **300 problems**.
- **Leetcode:** Achieved a maximum contest rating of **1720\*** and proficiency by solving more than **170 problems**.
- **CodeChef:** **3-star** programmer with a max rating of **1616\*** and secured **AIR 50** in Codechef Starters Contest.
- **CodeWalkerz:** Attained **All India Rank 35** in a national-level coding competition.
- **ICPC 2022:** Earned Certificate of Achievement in the ICPC Amritapuri region.
- **Android Developer Certificate:** Awarded the Android Developer badge from Ardent.

## Leadership / Extracurricular

### App Developer, SCSE:

01/2023 - Present

- Directed a team of 5 members to develop an Android application from scratch, utilizing Figma for UI design and Android Studio for coding.
- An app for students to access seniors' profiles, download resources, register for events, and explore tech stacks of other students.

### Event Head:

02/2024

- Designed questions and test cases and coordinated a coding event in collaboration with the Training and Placement Cell.
- Focused the event on Data Structures and Algorithms to simulate online test rounds for internships and placements.