

Anurag Singh



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EDUCATION

Indian Institute of Information Technology Allahabad

Expected July 2025

B.Tech in Information Technology

CGPA: 7.55

A.I.S.S.C.E (Class XII)

2019-2020, **Percentage: 92.4%**

A.I.S.S.E. (Class X)

2017-2018, **Percentage: 89.6%**

EXPERIENCE

Piltover Technologies (Project Intern)

Dec 2023 - March 2024

Embedded C, Python, Tkinter

Bangalore, Karnataka

- Developed an automatic liquid handler that can prepare samples for qPCR, flow cytometry, and other biological assays that rely on accurate liquid dispensing.
- Created firmware using Embedded C to generate custom G-Code which improved the efficiency by 50%.
- Integrated Python along with a few graphic libraries to create a GUI and worked on structural design and assembly.
- Improved qPCR efficiency by 70%.

PROJECTS

ClassFeed | *PHP, Javascript, MySQL, AJAX* | *Live* | *Github*

- ClassFeed, a user-friendly feedback management portal for my college.
- Implemented role-based access for different users to view and analyze data and present visualization using chart.js
- The portal incorporates PHP Mailer to verify email addresses for account creation, ensuring secure and authenticated user registration through email verification.

Multiplayer Chess Platform | *Reactjs, Nodejs, Prisma, WebSocket, TypeScript, OAuth* | *Github*

- Developed a real-time multiplayer chess platform that offers smooth and lag-free chess games through WebSockets, allowing players to connect and compete in real-time.
- Used secure database storage to ensure interrupted games can be resumed seamlessly.
- The platform automates player matching, turn management, and victory detection, creating a streamlined chess experience. Additionally, secure login with Google OAuth 2.0 provides a familiar and user-friendly interface.

SortVisio | *C++, SFML* | *Github*

- Implemented sorting algorithms (Bubble Sort, Insertion Sort, Merge Sort, Quick Sort) using C++ and SFML.
- Developed an interactive graphical interface to visualize sorting algorithms in action.

RELEVANT COURSES AND TECHNICAL SKILLS

Courses: Data Structures and Algorithms, Database Management and Systems, Object-Oriented Programming, Operating Systems, Software engineering.

Languages: C/C++, Java, SQL, JavaScript, Python, PHP

Utilities and Databases: MySQL, PostgreSQL, AWS, Apache, Bash, Git, SFML, Bootstrap, Chart.js, jsxgraph

CODING PROFILES

Codeforces: (Pupil) Highest Rating: 1349 —

CodeChef: (3 stars) Highest Rating: 1733 —

Leetcode: Highest Rating: 1701 —

ACHIEVEMENTS

- Achieved Global Rank of 245 in Codechef Starters 57(participants 3000+)
- Achieved Global Rank of 2199 in Codeforces Round 878(Div 3)(25000+ participants)