ARNAV GAUTAM

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EDUCATION

Indian Institute of Technology, (IIT) Bhilai *CGPA: 7.90*

- Bachelor of Technology in **Computer Science and Engineering** *2021-2025*

Class 10th: Sri Venkateshwar International School, Dwarka, New Delhi *2019, Result: 95.6%*
Class 12th: OPG World School, Dwarka, New Delhi *2021, Result: 91.4%*

SOFTWARE ENGINEER INTERN - VISA

Bangalore, Karnataka, *Team: Data and AI Platform* *Summer '24*

- **Git Integration:** Developed APIs using Spring Framework and Postman, enabling efficient tracking of user activities for the API Platform.
- **Nexus Scan Integration:** Automated Nexus Scan to detect code vulnerabilities.
- **Tech Stacks:** Java · Springboot · Maven · Postman

PACE CHALLENGE — RESEARCH

Research Collaboration on Graph Problem, *with Dr. Vinod Reddy, IIT Bhilai* *Winter '24*

- Collaborating with Dr. Vinod Reddy to addressing the Dominating Set Problem, focussing on efficient solutions within the defined time constraints of the challenge.
- Engaging in problem-solving, optimization techniques to adhere to challenge specific time bounds

SKILLS

- **Programming Languages:** C++, Python, Java
- **Coursework:** Introduction to Programming, Computer Organisation and Architecture, Data Structures, Discrete Structures I & II, Software Tools and Technologies - I & II, Operating Systems, Theory of Computation - I & II, Algorithms - I & II, Computer Networks, Artificial Intelligence, Machine Learning, Principles of Programming Languages, Blockchain Technologies, Parallelization of Programs, Quantum Computing, Digital Image Processing, Natural Language Processing, Information Security, Introduction to Computational Complexity

ACHIEVEMENTS

Competitive Programming *'22 - Present*

- **Codeforces:** Expert (Best Rating: 1618) Profile: arnavwinner
- **Codechef:** 4 Star (Best Rating: 1925) Profile: arnavwinner
- Achieved **21st out of 258** Registered Teams, Team Participation (ICPC Rules) in Codolympics Prelims
- Shaastra Programming Contest, IIT Madras **Finalist**
- **Touch Typing:** Achieved 142 WPM Typing Speed on MonkeyType
- **JEE Advanced 2021 AIR: 5514** In **Top 0.55%** among all JEE Candidates of India
- **JEE Main 2021 Percentile: 99.11** In **Top 0.89%** among all JEE Candidates of India
- Post videos related to C++ Programming and CP on Youtube (60+ Subscribers)

PROJECTS

Hotel Management System: Developed a Hotel Management System using Python in Class XII as a Computer Science group-project in School which simulates a shopping bazaar (through Tkinter for GUI)

Website for Ingenuity (CP Club): Worked on the design of our CP (Competitive Programming) club's website, using React, HTML and CSS frameworks in a team of 11 people in our club.

POSITION OF RESPONSIBILITY

- **Fintech:** Member (2024)
- **Ingenuity:** CP Club · **Mentor (2024)** · **Coordinator (2023)** · **Core Member (2022)**
- **Ek Bharat Shreshth Bharat:** Governmental Cultural Programme · **Core Member (2022)**
- **Space Exploration Society:** (Member 2024)