Apaar Kamal

apaarkamal.webnode.com | apaarkamal@gmail.com
+91 827-979-8102

EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY
B.Tech in Mathematics and Computing
GPA : 8.10 | link
Aug'17 - Present | New Delhi

BHARTIYAM INTERNATIONAL SCHOOL
Secondary Education
Grade: 95.8 % | link
Apr'15 - Apr'17 | Uttarakhand, India

SAINIK SCHOOL GHORAKHAL
High School
C.P.G.A - 10 | link
Apr'10 - Apr'15 | Nainital, India

PROFILE

Github:// apaarkamal
Linkedin:// Apaar Kamal
Codechef:// apaar_kamal
Codeforces:// apaarkamal
Website:// Apaar Kamal

COURSEWORK

UNDERGRADUATE
Software Engineering
Financial Engineering
Algorithm Design and Analysis
Stochastic Processes
Operating Systems
Discrete Mathematics
Probability and Statistics
Scientific Computing
Theory of Computation

SKILLS

- C++ • C • Python • MATLAB
- Competitive Programming
- To grab any skill real quick

POSITIONS

- **TECHNICAL-HEAD** at **MACS** (Mathematics and Computing Society)
- **Organizer** and **problem setter** of **CODETHON** (programming contest)
- Instructor at DCE-Coders.
- **Sports Captain** of the Institution.

HOBBIES/INTERESTS

- Playing • Reading • Shooting • Swimming
- Astronomy • Completing TV Series
- Financial Markets • Driving • **Painting**

EXPERIENCE

SAMSUNG R&D | Software Engineering Intern
May 2020 – Jul 2020 | Bangalore, India
- Developed Thermal Aware Adaptive Governor To control CPUfreq in Linux.
- Tweaked **DVFS** (Dynamic Voltage Frequency Scaling) algorithm which mitigated the governor to bias itself between **powersave <-> performance** .
- Implemented a callback mechanism from **TSENS** to CPU governor.

CODING BLOCKS | Mentor and Product Engineer
June 2019 - Present | New Delhi, India
- Designed and Developed online courses on **Competitive Programming** and **Graph Algorithms** , one of the best selling courses in the industry.
- Mentored **Launchpad** (Beginner C++ course) , **Data Structure and Algorithms for Interview Preparation** and **Competitive Programming** .
- Fostered thousands of students curiosity and interest in competitive programming through free **bootcamps** in colleges and **workshops** globally.

PROJECTS

EFFICIENT IMPLEMENTATION OF JAVA BIGINTEGER IN C++
- Implemented basic operations as ″+″ , ″-″ , ″*″ (KaratSuba Algorithm), ″/″ , **Modulus**, **Exponentiation**, **GCD**. Accurate till 1 Billion digits.

SELF MADE CAR GAME USING PYGAME IN PYTHON | Curiosity
- Used functions of pygame libraries such as rect, music, display, random, time, draw, etc. Added music, pictures, levels, with score updates.

PARSER FOR COMPILER | OOPs Project
- Developed a small compiler which checks errors , assign values and evaluate expressions with basic arithmetic operators $(+,-,*,/,a^b)$.

ACHIEVEMENTS AND AWARDS

TECHNICAL

Year	Result	Event
2019	56th	ICPC ONLINE QUALIFIERS
2019	117th	ICPC ASIA-AMRITAPURI REGIONALS
2019	23/1,50,000	TECHGIG :CODE GLADIATOR (FINALE)
2020	3/1,50,000	TECHGIG :CODE GLADIATOR (SEMI)
2020	37th (All India Rank)	GOOGLE HASHCODE
2020	FINALIST	ATLASSIAN HACK HOME HACKATHON
2019	MASTER (2146)	CODEFORCES RATING
2019	6-STAR (2258)	CODECHEF RATING
2020	1st	ALGOFLUX (JIIT - NOIDA)
2019	1st	CODEWARS (DTU-DELHI)
2018	1st in COLLEGE	APTITUDE TEST SME-DTU (DTU-DELHI)
2019	CERTIFIED	CODECHEF ADVANCE LEVEL DSA
2015	31st (ALL INDIA RANK)	NATIONAL TALENT SEARCH EXAM

SPORTS / EXTRACURRICULARS / OTHERS
- **Adept** | **Capable** | **Receptive** | **Versatile**
- National Cadet Corps(NCC) **A - Certified**
- Won various college level and local **Tournaments** in Squash ,Badminton, Volleyball, Basketball ,Football , Table Tennis ,Chess ,8 ball Pool,etc.
- First to complete 10 days **All India NCC Trekking Camp Expedition.**
- 4th State **Chess** Championship 2014. • College **Squash** Team (Captain)
- Completed **INDIAN NAVY ANNUAL TRAINING CAMP (5 NAVAL UNIT)**
- I enjoy music. I play piano and flute on occasions. • Bibliophile