Shambhavi Sahay

sahayshambhavi99@gmail.com | +91 7727883054

EXPERIENCE

CODING NINJAS | Teaching Assistant
November 2019 – April 2020 | Virtual Platform
- Mentored over **1000 students** in their course of **Interview Preparation** and **Competitive Programming** with a rating of **4.72/5.00**.
- Took doubt session, debugged codes, provided students with a **superior approach** to problem-solving and helped them in their assignments and projects.

*Received **Experience Certificate letter** from the co-founder for my extraordinary skills and significant contribution.*

INCUBATEIND | Digital Marketing Intern
December 2018 – December 2018 | Gurugram, India
- Communicated, managed and collaborated with various **tech companies** to organize **Hackathons** at a **global platform** that would provide opportunities to people.
- Refined **social media strategies** and **built a network** for the company to engage in brand activities.

*Received **Experience Certificate letter** from the co-founder for showing excellent work accomplishment capabilities.*

PROJECTS AND RESEARCH WORK

CODEATOZ | Web Application | In Progress
- Provides resources for **Data Structures** and **Algorithms** with ongoing and upcoming **coding events** hosted on known websites.
- Designed the **front-end** and **back-end** of the website and built an **API** for the extraction of data from various known websites.

THE VENTURES OF MASIE GRAVES | Top-down RPG
- **2D action** role-playing game designed on **Unity 3D** featuring **procedural level generation**, challenging, unrelenting bosses and collecting potions for health increment.
- Various assets used in the game were the player itself, 4 types of enemies, bullets, potions and environment.

OPTIMIZING TECHNIQUES | Research | In progress
- Efficient approach to **optimize multi-objective functions** with help of non-dominated sorting algorithm and crowding distance.
- Use of **Sine-Cosine algorithm** to optimize the real-time problems.

POSITIONS OF RESPONSIBILITY
- **General Secretary** at Microsoft Student Chapter, TIET for the session 2019-2020.
- **Head-Core Team** for FROSH at TIET for the session 2019-2020.
- **Student Mentor** at MSHACK, a **National level hackathon**, organized by **Microsoft** for 2018.
- **Executive member** of Backslash Computing Society, TIET for the session 2018-2019.
- **House Vice Captain** at DAV, Jaipur for the session 2015-2016.

EDUCATION

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY, PATIALA (2018-2022)
B.E. in Computer Science
Cum. GPA: 9.17/10

MDPS, JAIPUR (2017-2018)
12th Boards (CBSE)
Percentage: 83

ACHIEVEMENTS
- **Global rank-85 | Country rank-42, Female Category, CodeChef**.
- **5-stars**, max. rating **2036**, CodeChef.
- **Specialist**, max. rating **1407**, Codeforces .
- **Global rank-110 among 30,000 participants**, August-Challenge, **CodeChef**, 2020.
- **Certificate of Excellence**, MSHack, National Level Hackathon, **Microsoft**, 2018.
- **Certificate of Excellence**, **99.91%**, Competitive Programming, **Coding Ninjas**, 2019.
- **Rank-1 among 100 participants**, Binge to Code, **Backslash CS-TIET**, 2020.
- **Rank-1 among 100 participants**, Aptech Rumble, **MST-TIET**, 2018.
- **Rank-2 among 500-1000 participants**, Narcodes 2.0, **Coding Ninjas**, 2019.
- **Rank-2 among 500-1000 participants**, Technitude, **Coding Ninjas** 2019.

PROFILE LINKS
- CodeChef:// **sahayshambhavi**
- Codeforces:// **iamshambhavi**
- Github:// **iamshambhavi**
- LinkedIn:// **shambhavisahay**

SKILLS
- **PROGRAMMING**
  Over **8000** lines: C/C++
  Over **2000** lines: HTML5, CSS, JavaScript
  Familiar: Python, R, JAVA
- **FRAMEWORKS AND LIBRARIES**
  Bootstrap, Semantic UI, jQuery
- **DATABASES AND TOOLS**
  MongoDB, MySQL, Git/Github, Tableau, Gretl

INTERESTS
- Programming, Data Science, Machine Learning and Artificial Intelligence.
- Philosophy, Psychology and Sociology.