Nachiket Kanore

B.Tech. - Computer Engineering - PICT, Pune

📞 +91 9359346305 ✉ nachiket.kanore@gmail.com in ⊙ 🐦

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B. Tech.	Pune Institute of Computer Technology, Pune	9.3 (Current)	2018 - Present
Senior Secondary	State Board	87%	2018
Secondary	State Board	96%	2016

Experience

InterviewMocha   **May 2020 – Present**
Problem Setting Intern   *Pune, MH*
- Prepared problems based on Data Structures and Algorithms of varying difficulties along with test cases generation.
- Curated questions based on Python, C++, Web Technology and Data Science.

HackerRank, CodeChef 🔗 🔗 🔗 ⊙   **Aug 2020 – Present**
Problem Setting (self)   *Freelance*
- Prepared multiple competitive programming competitions on these platforms based on math, dynamic programming and algorithms in general.
- More than 1000 participants worldwide competed in these events.

Projects

Database GUI App | *Python, Tkinter, Sqlite* ⊙   **July 2020**
- Developed an application for online store to keep track of daily sale and purchase.
- Implemented various metrics for daily analysis and requirements for the store.

Snake Game AI Bot | *PyTorch, PyGame, Reinforcement Learning* ⊙   **January 2021**
- Implemented and trained AI bot to learn to play the classic Snake game.
- Used Deep Neural Network to train the Agent to achieve maximum score of 246 within just 10 minutes of training.
- Implemented the Snake Game interface using PyGame and tracked progress with learning curve.

Deep Learning Papers in PyTorch | *Deep Learning, PyTorch* ⊙   **March 2021**
- Implemented latest research papers on Computer Vision, Segmentation, GANs in PyTorch.
- Trained various *state-of-the-art* Neural Network architectures.

Codeforces Problems Extractor | *Python, Web Scraping* ⊙   **November 2020**
- Created a simple script to extract problems from Codeforces based on length of statement.
- Also added a feature to extract problems based on certain tag.

Achievements

- CodeChef 🔗 Rated **5★** - Achieved **Global Rank 21** in CodeChef December Cook-Off 2019 🔗
- Codeforces 🔗 Rated **Expert** - Solved more than 1500 problems on this site.
- Google Kick Start Round D 2020 - Achieved **Global Rank 621** among more than 10K participants.
- **ACM ICPC 2019** - Ranked 130 in Preliminary Online Round (Kanpur) 🔗
- Achieved **Rank 2** in Just Code It 4.0 coding round held by AOT college on CodeChef 🔗
- Achieved **Rank 10** in Encoding December challenge on CodeChef 🔗
- Project Euler - **Level 4** with more than 100 solved problems.
- Solved more than 2000 competitive programming problems on various platforms like Codeforces, CodeChef, HackerRank, AtCoder and HackerEarth. 🔗
- Cleared IIT JEE Advanced (2018) with **top 5%** in India.
- Achieved **Rank 621** in MH-CET (2018) with more than 2 lakh candidates.

Positions of Responsibility

PICT CodeChef Chapter in
Spring 2020 – Present

President
PICT, Pune

- My role includes organizing various competitions, workshops, educational sessions for students in college.
- Managed executive board of 5 members to enhance competitive programming culture in PICT.

Technical Skills

Languages: C, C++, Python, SQL, Bash
Tools: Sublime Text, VS Code, Google Colab, LaTeX
Technologies/Frameworks: PyTorch, Linux, Git, GitHub
Additional: Data Structures, Algorithms, Deep Learning, Computer Vision

Relevant Coursework

- **Computer Science** - Data Structures, Algorithms, Database Management Systems, Object Oriented Programming, Advanced Data Structures, Discrete Structures, Graph Theory, Software Development.
- **Machine Learning** - Neural Networks, Deep Learning, Reinforcement Learning, Deep Learning for Computer Vision.