Sanchit Sinha

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EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2019 - Present	B.Tech	Indian Institute of Technology, Kanpur	9.0/10
2019	CBSE(XII)	B.D Public School, Patna	94.4%
2017	CBSE(X)	St Paul's School, Sasaram	10/10

HONOURS & AWARDS

- Secured **All India Rank 1483** in **JEE Advanced 2019** among the 1.6 lakh shortlisted candidates.
- Secured **All India Rank 1128** in **JEE Mains 2019** among the 9 lakh shortlisted candidates.
- Achieved max rating of **1695** on **Codeforces** (Username: **Encoder**).
- Achieved **5-star rating** on **Codechef** and max rating of **2019** (Username: **sanchit1483**).
- Won **sport programmer of the month challenge** for the month of August organized over Codeforces, by Programming Club, IITK.
- Secured **state rank 1** in **Silverzone International Olympaid of Mathematics 2018(Level II)**.
- Secured **state rank 1** in **Silverzone International Olympaid of Science 2018(Level II)**.

KEY PROJECTS

- **ML - KAGGLE** *(Apr'19 - Jun'19)*
  -Summer Long Project, Programming Club, IIT Kanpur
  Learnt Machine learning and domains of deep learning from the practical point of view.
  - Implemented Machine learning models using Python libraries like scikit-learn, pandas, numpy and matplotlib.
  - Learnt data analysis, visualization, classification and applied it to real life problems over Kaggle.
  - Learnt about neural networks, optimization algorithms, forward and backward propagation and used powerful libraries like Tensor flow and Keras on Kaggle.
- **INSIGHT INTO COMPETITIVE PROGRAMMING** *(Jan'19 - Aug'19)*
  -ACA Project, Programming Club, IIT Kanpur
  - Learnt set of good data structures to manipulate data efficiently.
  - Learnt and implemented various sorting and standard algorithms.
  - Learnt advanced topics like dynamic programming, bit masking, graph theory and trees with more emphasis laid on implementation.
- **DEEP DIVE INTO COMPETITIVE PROGRAMMING** *(Apr'19 - Jun'19)*
  -Summer Long Project, Programming Club, IIT Kanpur
  - Learned about the number theory and math concepts like sieve of Eratosthenes, Chinese remainder theorem and many more.
  - Explored important Data Structures like Queue, Heap, Sets, Maps, Trees, Linked list, etc.
  - Worked on intermediate level problems of Hashing, Graphs, Dynamic programming, Trees and other important data structures.
  - Explored various Graph algorithms like Dijkstra, Prim, Kruskal, Floyd-Warshall, Bellman Ford etc.
- **ONLINE EXAMINATION PORTAL** *(Dec'19 - Ongoing)*
  -Personal Project *git.io/Jtm4j*
  - A website for facilitating online conduction of exams created using PHP, Javascript and MySQL database.
  - Features include student/admin login, scheduling of exams in various slots with proper timings, adding questions, evaluation of exams, analysis of result and clarification of queries.

TECHNICAL SKILLS

- **Programming:** C, C++, Python, Bash
- **Web technologies:** HTML, CSS, PHP, Javascript, Django, SQL
- **Data Science:** Numpy, Pandas, Scikit-Learn, TensorFlow, Keras, OpenCV, NLP
- **Utilities:** LaTeX, MATLAB, Git

RELEVANT COURSEWORK

Fast track to ML(Coding Club, IIT Guwahati)	Introduction to programming
Introduction to Real Analysis	Introduction to Web Devlopment(Coursera)
Linear Algebra and Ordinary Differential Equation	Introduction to Bash Shell Scripting(Coursera)
Complex Analysis	MATLAB onramp(MathWorks)