SHAILENDRA DOHRE

SENIOR YEAR UNDERGRADUATE ◇ COMPUTER SCIENCE AND ENGINEERING
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EDUCATION

Year	Degree/Certificate	Institute	CGPA/%
2018 - Present	B.Tech(CSE)	Indian Institute of Technology, Kanpur	6.63/10
2018	CBSE(XII)	Indian International Public School, Dabra, Gwalior(MP)	80.4%
2016	CBSE(X)	Indian International Public School, Dabra, Gwalior(MP)	9.2/10

ACHIEVEMENTS

- 2018 - **All India Rank 3909**, Joint Entrance Examination(Advance) among 2,00,000 candidates.
- 2018 - **All India Rank 8683**, Joint Entrance Examination(Mains) among 1.5 million candidates.

PROJECTS

C Compiler Feb 2021 - May 2021
Course Project, IIT Kanpur

- Worked in a team of 4 to build a mini C compiler having source code C, Implementation language C++ and Target language x86 Assembly.
- We Used **Lex** and **Yacc** tools to make the compiler and we also used **Make** to build the source code.
- Worked on Lexical analyzer, Parser/Syntax analysis, Semantic analyzer and Machine code generation.

Design and Fabrication: Balsa May 2019 - July 2019
Aeromodelling Club, IIT Kanpur

- Worked in a team of 5 to design and fabricate an rc-biplane model using Balsa wood primarily.
- Used XFLR 5 software to simulate and analyse airplane designs with varying dimensions and airfoil designs and learnt feasibility of aircraft by studying the parameters graph.
- Fabricate various parts of a biplane model - wings, vertical and horizontal stabilizers, fuselage and nose.

Dive Deep into Competitive Programming Jan 2019 - April 2019
Association For Computing Activities, IIT KANPUR

- Learnt various time and space efficient algorithms of searching and sorting and also **vector** and **map**.
- Learnt various techniques like **DP**, **Greedy**, **BFS**, **Dijkstra**, etc. which are useful in Competitive Programming.

TECHNICAL STRENGTHS

Programming Languages	C/C++, Python, Bash Script, HTML, CSS
Software and Tools	SQLite, MongoDB, Lex, Yacc, LaTex, Docker hub, AutoCad, XFLR 5

RELEVANT COURSES

Data Structure and Algorithm	Operating System
Compiler Design	Principles of Data Base Systems
Fundamental of Computing	Introduction to Machine Learning
Software Development and Operations	Introduction to Mathematical Logic
Computer Organization	Discrete Mathematics
Linear Algebra and Ordinary Differential Equations	Real Analysis and Multivariable Calculus
Introduction to Electronics	