RITWIK SAHA

Mandi, Himachal Pradesh

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EDUCATION

Bachelor of Technology(Electrical Engineering) *2016 - 2020*
Indian Institute of Technology, Mandi · Overall GPA: 7.7/10
School of Computing and Electrical Engineering

CBSE(Higer Secondary) *2016*
D.A.V. Public School, Shreshtha Vihar, Delhi · Percentage: 94.4%

CBSE(Matriculation) *2014*
D.A.V. Public School, Shreshtha Vihar, Delhi · CGPA: 10.0

TECHNICAL STRENGTHS

Computer Languages	C/C++, Python, MATLAB
Deep Learning Frameworks	Keras, TensorFlow
Containerization & Orchestration	Docker, Kubernetes, KNative
IoT	Arduino, RaspberryPi
Graph Databases	Neo4J, ArangoDB
Blockchain	Ethereum, Solidity, Web3

EXPERIENCE

Siemens Technology & Services Pvt. Ltd. June 2019 - August 2019
Research Intern

· Set up infrastructure for running serverless applications.
· Leveraged Docker, Kubernetes and KNative for setting up along with various network management framework like Istio.
· Benchmarked the performance of the serverless setup under various load conditions and network topology.
· Documented the relevant code and procedures.

Siemens Technology & Services Pvt. Ltd. December 2018 - Febraury 2019
Research Intern

· Set up blockchain infrastructure with help of Private Ethereum.
· Benchmarked the transaction performance, system resource usage and network performance under a variety of conditions like variable block times, transaction loads, block size etc.
· Designed and partly implemented a supply chain solution on blockchain infrastructure.
· Tried out and partially benchmarked various competing solutions for blockchain like Tendermint
· Documented the relevant codebase and procedures.

Indian Institute of Technology, Mandi December 2018 - Febraury 2019
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ACADEMIC ACHIEVEMENTS

Ranked in National Top 0.2% (amongst 1,200,000 candidates) in JEE Mains 2013 and Top 1% (amongst 150,000 candidates) in IIT-JEE Advanced 2013

Ranked in the State-wise Top 1% (amongst 70,000 candidates) in State level Engineering competitive Exam (MP PET)

Stood first in MBD Talent Search Exam conducted by state government, competing against more than 1000 participants

RELEVANT COURSES

Core Courses	Other Courses
Fluid Mechanics & its applications	Computational Methods in Engineering
Thermodynamics	Fundamental of Computing
Heat Transfer & its applications	Probability and Statistics
Mass Transfer & its applications	Calculus & Linear Algebra
Transport Phenomena (ongoing)	Introduction to Mechanics

POSITION OF RESPONSIBILITY

Techkriti 2015 - Technical and entrepreneurial Festival   August 2014 - March 2015
Public Relations   *IIT Kanpur*

· Spearheaded a 2-tier team of 40 people to successfully conduct professional shows, exhibitions and talks
· Organized talks in Techkriti by eminent personalities like Dr K. Radhakrishnan (Chairman, ISRO), Peter Schultz (Co-inventor, Fibre optics) and David Hilmers (NASA Astronaut) with more than 1000 attendees
· Successfully organized Auto expo, Space expo and Defence expo together for the first time in Techkriti
· Promoted awareness through social campaigns like Make a wish, Adopt a tree and Teen Suicide Prevention

Students' Placement Office   April 2015 - Present
Internship Coordinator   *IIT Kanpur*

· Coordinating with team of 20 students responsible for facilitating internship proceedings of 650 students involving 150 companies
· Responsible for developing contacts with corporate recruitment teams of several firms for internship and placements
· Organized sessions on Personality Development and Career Awareness by esteemed alumni for over 1600 students

Hall Executive Committee   April 2014 - Nov 2014
Secretary   *IIT Kanpur*

· Coordinated with 12 members to led a team of 200 students in inter hall technical, cultural and sports competition of institute
· Planned an annual budget of 2 lakhs for proper functioning of hostel with more than 400 residents

EXTRA-CIRRUCULAR

Secured Gold in M.P. State Throw Ball competition and represented district in State Hand Ball competition

Represented Institute in Udghosh'13 and secured second prize in Kho-Kho intramurals

Secured second prize in Dance Drama competition in Galaxy'14, inter hall cultural competition of IIT Kanpur

Won second prize in Electromania, circuit game designing competition in Takneek'13, inter hall technical festival of IIT Kanpur