Ankur Kumar

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EDUCATION

Degree/Board	Institute	Percentage	Year
B.Tech. (EEE)	Indian Institute of Technology (IIT), Patna	78.3%	2021-Present
XII (CBSE)	Tagore International School, New Delhi	95.6%	2020
X (CBSE)	Tagore International School, New Delhi	93.0%	2018

WORK EXPERIENCE

Research Intern | IIT Patna
Supervisor: Dr. Somanath Tripathy, Department of Computer Science and Engineering
May 2023 - Nov 2023

- Explored literature on Notary schemes, sidechains, and simulated blockchains.
- Consensus model analysis and parameter tuning for Cosmos' Byzantine fault tolerance.

Solutions Developer Intern | Innovya Technologies   Certificate
Oct 2022 - Jan 2023

- Developed APIs in Python and Nodejs and conducted testing in Postman.
- Worked with AWS Lambda, SNS, and CloudWatch to monitor and add functionality in the application.

PROJECTS

64-bit 3 Operand CS Adder   Report
Implementation & Analysis of 64-bit 3-Operand Carry Save Adder in Cadence Virtuoso.

Coherer Effect in Communication Systems   Report
Designed and implemented hardware setups to test the Coherer Effect, evaluating its effectiveness in noise rejection in communication systems.

Hardware Design of SHA256 Hash Processor in Verilog   Report
Implemented the SHA256 Hashing algorithm in Verilog-2001 HDL.

SKILLS

Languages	**Libraries/Frameworks**	**Other Tools**
Python	TensorFlow	AWS
C++	Django	Postman
SQL	Selenium	Git/Github
Verilog	Pandas	Cadence Virtuoso

ACHIEVEMENTS

- **InterIIT Tech Meet 11.0 — Bronze among 23 IITs**
  MetaMask — Certificate
  Created a snap that enables the meta mask users to forecast the gas prices and plan their transactions beforehand.

- **Sudo Override — 2nd**
  Certificate
  A CTF competition under Celesta, IIT Patna.

POSITIONS OF RESPONSIBILITY

TEDxIITPatna
Coordinator, Sponsorship
Led a team to pitch various companies and outlets for various forms of sponsorship for the TEDx event.