

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

Parkinsons Detector - DL

[Github](#)

Implemented a Conv2D Binary Classification Network using Tensorflow to classify patients.

Malaria Detection Application

[Github](#)

Developed a GUI-based app with a custom CNN model (95.22% accuracy) to classify uploaded cell images as parasitized or uninfected, augmenting images and displaying results in user-friendly language.

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.