

# SHIKHAR KATARUKA

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## EDUCATION

Degree/Specialization	College/University	Year	Percentage/CGPA
Graduation	Jaypee Institute Of Information Technology	2017-2021	7.6
12th Std	Mayo International School	2016	90.2
10th Std	S.T John's Academy	2014	9.8

## INTERNSHIPS AND PROJECTS

**Edenue | Software Developer Intern | Web App Development** [\[ Link \]](#)

**[May 2020 - August 2020]**

- Worked on an online voting system for school students using javascript(Node Js, Express), Ajax, HTML, CSS and bootstrap on MVC architecture.
- Learned about the technologies mentioned above and got an opportunity to **pitch** the idea in front of the school authorities.

**Accinhibitor(Project) | Team Leader | Ideation and Development** [\[ Link \]](#)[\[Link\]](#)

**[ December 2018 - present]**

- It is a Self-Sustainable Smart Street Lighting System Device that aims to provide immediate help to the victims of the Road Accident
- Development on RaspberryPi Zero W and Pi 3B+ using Python, Arduino, Ultrasonic Sensor HC-SR04. Designed Circuits and Algorithms.
- The idea got recognition at IIT Bombay and Maruti Suzuki (COY), the video has got over more than **8 Lakhs** views on youtube.

**Simulation of Bitcoin(Project) | Developer** [\[ Link \]](#)

**[ May 2019 - present]**

- Cryptocurrency made from scratch in C. Implemented from Bitcoin white paper.
- Implemented Merkle Tree Data Structure, SSH and SCP integration. Gained practical knowledge about the cryptocurrency market and invested in the same as well.

**Coff** [\[ Link \]](#)

**[ January 2020 - present]**

- Offline Code-Judge made in C. Used "argp.h" for parsing arguments. Designed data structure and algorithms for Implementation.

## POSITION OF RESPONSIBILITY AND SOFT SKILLS

- Leadership** – Formed and led a Cross-Regional team of more than **50 people** and **200+** teaching volunteers with more than **10** partner organisations across India in states such as Assam, Rajasthan, Karnataka, Delhi, Maharashtra, Jharkhand etc.
- Operational Management** – As a Treasurer at Jaypee Youth Club and Management Head at JODC organised several events and was involved in managing or overseeing the **financial affairs** of the student union. [\[ Link \]](#) [\[ Link \]](#)
- Enterprising** – Took the initiative of Teach From Home at the time of **COVID-19** to teach the underprivileged children and expanded the same program in over **6** cities in **3** months.
- Negotiation** – As a Team Leader, negotiated with the college and got **Rs.28000** sanctioned for the project, ours was the first team to receive reimbursement on the selection of project at **National Level**.
- Communication** – As a part of the student union committee was able to develop a communication channel between college and students and led a campaign to reduce the college by **Rs.15000** and hashtag got trended on **28th position** on **Twitter India**.

## AWARDS AND RECOGNITION

- First Position** in BEL Innovate Ideation and Prototype presentation Competition(**2018**) | **Techfest IIT Bombay** [\[Link\]](#)
- Second Position** in ACME Solar Hackathon(**2019**) | **Techkriti IIT Kanpur** [\[Link\]](#)
- First Position** in SHELL India Unravelling Transportation Competition(**2020**) | **Techfest IIT Bombay** [\[Link\]](#) [\[Link\]](#)
- Grand Finalist(Top 3)** in Colors Of Youth Project Technovation (PAN India reality show)(**2019**) | **Maruti Suzuki** [\[Link\]](#)
- Award for Significant Contribution** in Technical Field | **Jaypee Institute Of Information Technology(2020)** [\[Link\]](#)

## VOLUNTEERING AND SOCIAL WORK

**World Youth Council | Founding Member** [\[ Link \]](#)

- Teach From Home – Started** Teach From Home, an initiative by Teach Your Talent under the World Youth Council which aims to support and maintain the learning & education of lesser privileged children who have basic smartphone accessibility. Got featured in Jharkhand State news [\[Link\]](#), Hindustan Times [\[Link\]](#), The week [\[Link\]](#).
- Teach Your Talent** – Volunteered for **six months** for teaching cricket to underprivileged children in the slums at the bank of Yamuna River in Delhi and now **Heading the National Expansion Team** for the same.

## SKILLS AND CORE COMPETENCIES

- Programming Languages** - C, C++, Python, Javascript
- Fundamental Knowledge of Communication Protocols** - SSH.
- Software & Platforms** - Linux, Git, GitHub, Arduino, NodeJs, ExpressJs, MongoDB, AJAX
- Hardware & Tools** - Raspberry Pi Zero W and 3B+, Pi Camera, Arduino UNO

## INTERESTS AND HOBBIES

Cricket  
Badminton  
Drumming  
Painting and Cycling