

# Shashwat Bajpai

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## EDUCATION

**BITS Pilani, Hyderabad Campus**

2021-2026

*BE. ECE and MSc. Economics*

*GPA: 3.04/4.0*

**City Montessori School**

2006-2021

*Score - 395/400*

## RELEVANT COURSEWORK

**Courses:** Behavioural Economics(ECON F345), Computer Programming(CS F211), Cryptography(BITS F463), Digital Design(ECE F215), Fundamental of Finance and Accounting(ECON F212)

## SKILLS

**Languages:** C/C++, Java, Python, JavaScript, HTML/CSS, Go, Solidity

**Tools:** Git/GitHub, Node.js, Webpack, VS Code, Arduino IDE

**Frameworks:** React, Node.js, Material-UI, Hyperledger Fabric

**Libraries:** pandas, NumPy, Matplotlib, PyTorch

## PROJECTS

**Decentralization of MA Survey** | *Blockchain, Hyperledger Fabric, Web Development, Python, R* May 2023 – Jul 2023

- Part of the team that orchestrated a Proof of Concept (POC) integrating blockchain into Mission Antyodaya, Ministry of Rural Development
- Developed a transparent data management system for survey data using Hyperledger Fabric, smart contracts, and outlier detection
- Capitalized on blockchain technology to improve accuracy, transparency, and decision-making in rural development endeavors

**NPA Bazaar Platform** | *Web Development, React.js, Postman API, GitHub*

Jun 2023 – Jul 2023

- Part of the project team that worked on the NPA Bazaar platform, redefining collateral payment, auction, and management processes
- Empowered banks and ARCs while setting unprecedented industry benchmarks

**Voting System using Blockchain** | *Blockchain, Web Development, Python, Solidity*

Jan 2023 – May 2023

- Contributed to the creation of a blockchain-based voting system with zero-knowledge proof
- Took a key role in Python coding and website development
- Gained experience in writing smart contracts for enhanced functionality

**Development of Attendance Verification Model using Image Analytics**

- Employed YOLO and MTCNN training models to enhance attendance tracking for the MGNREGA program
- MTCNN was chosen based on working examples

## EXPERIENCE

**AIISC (University of South Carolina) Research Intern**

Sept 2023 – Present

Columbia, South Carolina, USA Contributed to research on AI Detection and AGID as well as Hallucinations in vision learning models under the guidance of Dr. Amitava Das. Skills: Artificial Intelligence · Research · Data Analysis

**Ministry of Rural Development** | *Summer Intern*

May 2023 – Jul 2023

Delhi, India · On-site I contributed to two key projects: the Decentralization of the Mission Antyodaya Survey using Blockchain and the Development of an Attendance Verification Model using Image Analytics. Skills: Blockchain · Machine Learning · Hyperledger Fabric · Web Development · Python (Programming Language) · Image Analysis

**Unicloud.** | *Summer Intern*

May 2023 – Jul 2023

Delhi, India · Remote Skills: Web Development · React.js

**Mindler** | *Intern*

Oct 2020 – Nov 2020

Remote