

# UTKARSH SHARMA

Data Science | iOS | Blockchain Developer

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## WORK EXPERIENCE

### Blockchain Analyst Intern

June 2021 - Present

Polygon (previously Matic Network) | Bengaluru, India

- Analysis of on-chain metrics for preparation of dashboards
- Developed efficient ETL process for various departments from scratch, managed databases and dashboards
- Compiled on-chain data from multiple sources - BigQuery, PostgreSQL, and RestAPIs like Covalent and BlockScan
- Identified, monitored, and reported KPIs on a network and application level
- Worked in collaboration with the DeFi team for monitoring flow of funds within and across chains

### Artificial Intelligence Engineer

January - March 2021

Digital Product School by UnternehmerTUM | München, Germany

- Conducted research, user interviews, organized and streamlined data in a collaborative database
- Worked in a cross-functional agile team with developers, designers, and product managers
- Led the development of Machine Learning models and the MVP mobile app presented to stakeholders from Munich Transport and Tariff Organisation, IABG and AISIN

### Data Science TA

January - March 2020

techBlocks | New Delhi, India

- Assisted two cohorts of students in the Data Science course
- Contributed to coursework curation and evaluation of tutorials

### iOS Developer Intern

October - December 2018

Comingoo | Remote

- Key contributor in the production of the iOS app - deployed the Beta build from scratch within 20 days

## EDUCATION

### Amity University, Amity School of Engineering and Technology

2018 - 2022

Bachelor of Technology in Computer Science & Engineering | 8.12 GPA

Merit scholarship facilitated by Amity University under Scholar's Fast Track Admission-cum-scholarship program

### Rukmini Devi Public School, New Delhi

Class of 2018

High School - 9.8 GPA, 12th Grade - 92.4%

Core team member of the school's Computer Society - The Digilogous

## SKILLS AND COMPETENCIES

- Programming Languages: Python, Swift, Solidity, R, C++, Java
- Machine Learning and Data Analysis
- Analysis: MS Excel, Tableau
- Development: iOS Development with Swift, Ethereum, React, Flask, Heroku
- Databases: SQL, Firebase, Strapi, BigQuery, and Google Cloud Storage
- Version Control with Git/GitHub

## RESEARCH PUBLICATIONS

Predicting Bridge Damage During Earthquake Using Machine Learning Algorithms (Proceedings of Confluence 2021, IEEE)

Automated stock recommendations using Financial Indicators and Machine Learning (Proceedings of CADSCOM 2021)

Blockchain and Machine Learning based peer-to-peer lending for the post-pandemic economy (Proceedings of DY Patil B-School Conference)

Predicting and Improving Entrepreneurial Competency in University Students using Machine Learning Algorithms (Proceedings of Confluence 2020, IEEE)

## PROJECTS AND ACHIEVEMENTS

First place at McKesson Corporation and Girls in Tech Virtual Hackathon with the mobile application *Pink+*, comprehensive aid for Breast Cancer patients and survivors [ Tech Stack: Swift, Python, Machine Learning ]

Global Winner - Siemens Energy's Clean Energy Competition, Schneider GoGreen 2021 Greater India Finalists and Runner-ups at University of North Carolina and John Deere's HackNC 2020 with *SolarX*, an AR and ML-based Solar Power assistant [ Tech Stack: Swift, Python ]

Runner-ups at Code with GlobalShala 2.0 organized by GlobalShala with *BlockCred*, a blockchain-based certification platform. Awarded a USD 4000 scholarship by Northeastern University [ Tech Stack: Ethereum, React ]

4x Polygon Network, Celo and Portis track prize winner in various hackathons [ Tech Stack: Ethereum, Solidity, React ]