# ABHIJIT ROY

Blockchain Developer, Architect

Chandigarh, India

## PERSONAL INFO

BIRTH DATE
**28 March 1993**

NATIONALITY
**Indian**

YEARS OF EXPERIENCE
**6 years**

## CONTACT INFO

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**+91-9474501583**

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LinkedIn
**abhi3700**

## ABOUT ME

I am a talented, ambitious and hardworking individual. I am a tech entrepreneur who always thinks how to solve real life problems using high-end technology. I am committed to make the society free from problems by making every possible business with inherent features – Transparency, Incentivization & Decision-making rights.
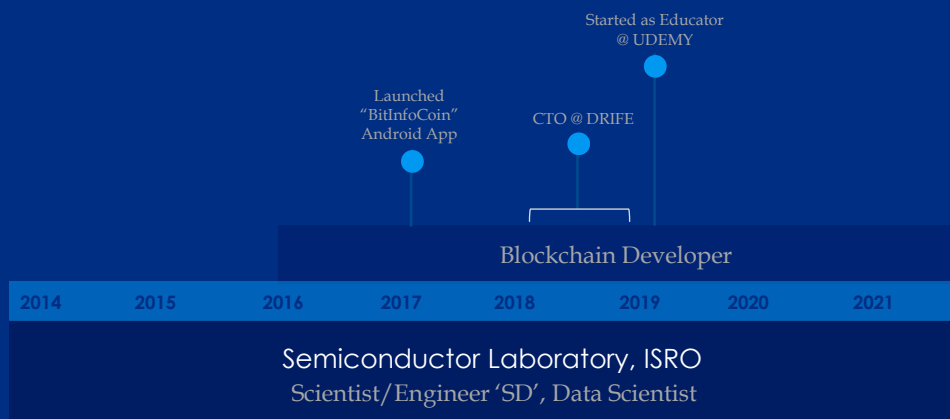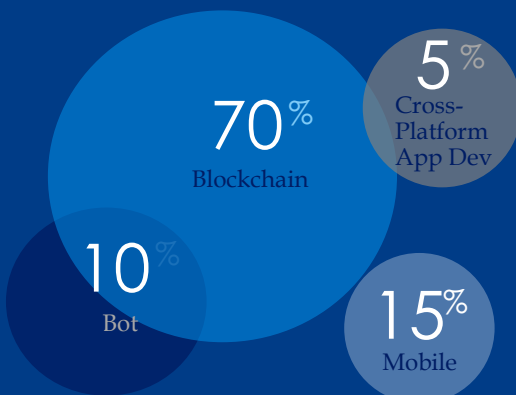
## EDUCATION

2014 • **IIST, Trivandrum**
B. Tech Avionics
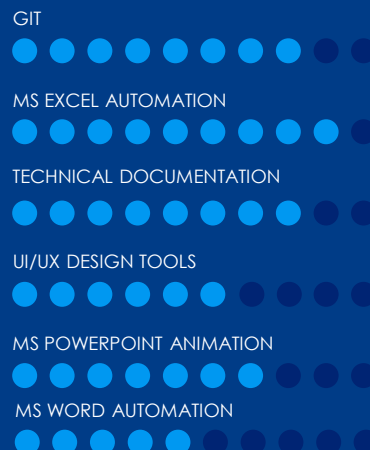
## LANGUAGE

C, C++, Python, Java, Bash, Batch, Markdown, HTML,

## CAREER TIMELINE

Started as Educator @ UDEMY

Launched "BitInfoCoin" Android App

CTO @ DRIFE

Blockchain Developer

| 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------|------|------|------|------|------|------|------|

**Semiconductor Laboratory, ISRO**
Scientist/Engineer 'SD', Data Scientist

## LANGUAGES

ENGLISH

Hindi

Bengali

## HOBBIES

## EXPERTISE

**70%** Blockchain

**5%** Cross-Platform App Dev

**10%** Bot

**15%** Mobile

## SKILLS

GIT

MS EXCEL AUTOMATION

TECHNICAL DOCUMENTATION

UI/UX DESIGN TOOLS

MS POWERPOINT ANIMATION

MS WORD AUTOMATION

# EXPERIENCE

## Blockchain

- Designed & Developed an All-in-One Android App – 'BitInfoCoin' for Crypto Industry in 2017, which attained a stupendous figure of 10,000 users in a month. Language used: XML, Java.

- Designed the Smart Contract Architecture with Incentivized staking model for a Ride Sharing DApp Start-up - 'DRIFE'. Also wrote the Technical whitepaper with each modules, components illustrated in detail. Language used: C/C++, Bash, Markdown.

- All modules of Smart Contracts programmed & tested successfully for Ride Sharing DApp - TOE, deployable on EOSIO based Blockchain(s) using C/C++ language. Also, featured a "free Rides" buy/sell AMM based marketplace with all-time liquidity using DeFi's Bancor Algorithm. Language used: C/C++, Bash, Markdown.

- Smart Contracts along with a native cryptocurrency built for ICO conduct for a Bangalore-based Company. Estimated running cost with resources like on-chain RAM, CPU, NET for the ICO was calculated for both Testnet & Mainnet. Language used: C/C++, Bash, Markdown.

- Built architecture & wrote its smart contracts – ICO, Stake, Token for a project related to medical field in which a patient can join customized Rehabilitation programme monitored by doctor(s) & the payment disbursal to bi-party is fully automatic using EOSIO's speedy smart contracts based on whether the programme is successfully completed. Language used: C/C++, Bash, Markdown.

- Built Smart Contracts – Escrow, Game along with the architecture for a Betting Game – 'GPK.Battles' on WAX Blockchain. Both the players get to choose 3 cards (2A, 1B or 1A, 2B) & the winner gains 1 card from the loser. There is a shuffle among the loser's cards. Also, the random number generation for the game based on which the winner is declared, is fully transparent which ensures a fair game throughout the process. Language used: C/C++, Bash, Markdown.

- Created a Tipping Bot with smart contracts integrated within. Using this Bot, any person can deposit/withdraw/send/receive crypto token(s) worldwide with just Telegram user ID. Wallet with multiple token storage feature is built-in within the Bot for each user. Language used: C/C++, Bash, Python, Markdown.

- Developed a Blockchain-based KYC Bot with smart contracts integrated, where a user gets to upload personal data like name, address, ID document, selfie, that gets hashed and validated via Blockchain to securely maintain privacy. And then stored into the most competent database storage cloud – Redis. Here, the document, selfie gets stored/downloaded in bytes & then encoded/decoded respectively. Language used: C/C++, Bash, Python, Markdown.

- Currently, developing a giant platform called OYA – the NFT marketplace for all categories like Painting, Music, Movies, Automobiles, Properties with easy payment modes using national currency. All the files remain locked in IPFS Cloud and could only be unlocked by the owners & buyers. The MVP is in form of a Chatbot with elegant UI/UX. As of now, the Smart contracts have been written & the entire product of MVP-level is 70% complete. It also features DeFi as an option for funding, if required by the NFT owners for asset development. Also, doing R&D on cross-chain asset ownership transfer using script triggered Smart contracts design methodology. Language used: C/C++, Bash, Python, Markdown, Emoji.

- Working on an AgriTech project for end-to-end buy/sell of foods – fruits & vegetables without any conventional middleman-based mechanism and also features user's on-demand crop farming tracking system. Incentivization on home gardening results in fulfilling peer-to-peer food requirements in these limited space society. All these is done using Blockchain Technology and Machine Learning.

- I am one of the core developers of Telos Blockchain, where I contributed in writing a documentation on "Setting up Telos Validator Nodes", which is used as a guide by many aspiring Block producers for EOSIO Blockchains. Language used: Markdown.

- I have worked on a project called – 'TripZo' on Steem Blockchain. It was about bringing together the travel & tourism community where they can post content (in articles, photos, videos) & instead they get incentivized in STEEM tokens based on creativity (with no plagiarism) evaluated by an AI-based community Bot. Language used: Markdown, Python.

# Data Science

- Created a software called 'AutoPlot' for generating interactive plots (with hovering feature) automatically from the big data maintained in Excel and reduced the time from 30 mins (earlier) to 3 seconds (now). Also, created a corresponding dashboard for data analytics on web browser. Language used: Python, VBA, Bash, Batch.

- Automatic rent agreements (Deposit Deduction, Rent Increase) generation for different tenants data (like name, startdate, address, postcode) from Excel data . Language used: Python, Bash, Batch.

- Renaming thousands of files based on 5 parameters available inside the file at a particular directory. Language used: Python.

- Extract a specific data from a file (format: msr) and replace a specific line in another file (format: .001). Replace coordinates in a file with a desired value and repeat the same for thousands of files present in a directory. Language used: Python.

- Fetching of accounts & timestamp of Twitter posts with tag *#libya*. Language used: Python.

- Prepared a data analysis report on updating an Excel form from datasets fetched from Outlook mail. Language used: Python.

- Image files (formats: dot, png) generation from fetched data in Excel file. Language used: Python.

- Created a custom 3D Plot for data analytics related to Semiconductor devices with yield, which is visualizable with interactive modern-UI level. Language used: Python, VBA.

- Built a Key Generator Bot called 'KeyHub', where a user can buy license key for a set of products. The key usage is continuously monitored along with exact location obtained through reverse-geocoding of coordinates. Language used: Python, Bash.

- Created a Bot called 'LEO' which allows a user to get dog images based on their saved breed as preference or to load random dog images. A donation programme feature was also added which then allowed dog lovers to donate money directly to the Dog Welfare centres. Language used: Python, Bash.

- Created a general purpose Quiz bot with types - MCQ, Image, Audio, GIF, Video for any topic where a teacher/School/College can conduct online exams for their students. Addition of proper evaluation of subjective types of exam is to be added into the Bot. Language used: Python, Bash.

# LEADERSHIP AND ACHIEVEMENTS

- In 2018, I was the founding team member as CTO of a blockchain-based mobility platform that seeks to decentralize the ride-hailing ecosystem. I managed 10 core team members with developers, designers, content writers successfully.

- I was sponsored to represent DRIFE as CTO in World Blockchain Summit (WBS) held at Dubai in October, 2018, where I pitched to around 35 investors from worldwide and ranked as the best start-up in utility tokens category.

- I am managing the largest Semiconductor community over Telegram via a channel. In future, a blockchain-based Chatbot – 'SEMION' with customized user experience, is promised to be released on Telegram and a subscription fee will be charged for which feedbacks is taken via polls conducted within the community.

- I provide online education services through my Udemy account – Block.Hub Academy which has a total of 170 students enrolled for 4 courses to date.

- I am also available as a mentor for topics related to Blockchain (EOS, NFT, DeFi, Ethereum) via Fiverr for 4 people as of now.

- Maintain one of the highest starred Github repositories in EOSIO Ecosystem. Repo

- I have published many thoughtful articles related to Blockchain, Data Science on Medium

- I was a regular technical content creator for a community called Utopian on Steemit– An incentivized social platform on Steem Blockchain.