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Darvin Raj P

Onchain and DeFi Analyst

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Onchain Analyst proficient in Python, SQL, JavaScript; experience in dealing with Ethereum, Cosmos, Algorand and Solana blockchain data; skilled to analyse and visualize the said data.

SKILLS

Technical Skills	EDA, Visualization, Pipelines, Script Automation, Dashboard building, Googling, On-chain sleuthing
Tools	React, Flipside, Dune, Pandas, Matplotlib, Linux, Web3.js, MS Office, Prophet, ZohoAnalytics
Programming Languages	Python, SQL, JavaScript, Typescript, Java, GraphQL, LaTeX, HTML+CSS
Protocols	Uniswap, Sushiswap, Curve, Lido, Anchor, Ribbon, EVM bridges, AAVE

PROJECTS

GhostHunter , Metrics DAO project	Aug 2022
<ul style="list-style-type: none">Built a transaction explorer similar to Etherscan, but only for AAVE transactions and users.Displays transaction info and user of info of a given transaction or user hashQueries theGraph AAVE subgraph and displays historical activity and current position of users	
Hyphen Bridge Dashboard , FlipsideCrypto project	Aug 2022
<ul style="list-style-type: none">NextJS Web-app to track metrics of the HyphenBridge by BiconomyQueries FlipsideCrypto database with their SDK and populates data from 6 chainsTracks essential metrics like TVL, Bridging activity and their historical values	
LUNA Arbitrage Web App [now defunct], Hobby project	Feb 2022
<ul style="list-style-type: none">Aggregated all LUNA Derivative arbitrage opportunities on Terra Blockchain under one Web-AppReturns of each Derivative Arbitrages were simulated and the best opportunity was highlightedUsers could Swap and Recover the derivative underlying in a single click instead of browsing multiple web-apps	
Binance Trading Bot , Hobby project	May 2021
<ul style="list-style-type: none">Analyzed 1 year Ticker price data BTCUSDT and ETHUSDT as a log-normal distribution.Automated and Streamlined Backtesting, Data Retrieval, Data Preprocessing, Visualization by building python classes for the same.Modeled RMA-ATR based strategy that generates 1 percent daily returns.Modeled Log Return - Standard Deviation based strategy that generated 10 percent returns on backtesting over July-2021.	
Long term Optical Variability of high redshift ($Z > 0.8$) Narrow line Seyfert 1 Galaxies , MSc Project	Jul 2020 — Apr 2021
<ul style="list-style-type: none">Redesigned Automated Data Retrieval from CRTS to make it 8x faster.Revamped Pandas using Python Multiprocessing to overhaul Pandas Row processing by 8x.Investigated the distribution of amplitude of variability of 2400 NLSy1 galaxiesDiscovered the lack of strong correlation between redshift and amplitude of variability at higher redshift ($z > 0.8$), as opposed to low redshift counterparts.	

VOLUNTEER EXPERIENCE

Onchain Analyst	Aug 2021 — current
Gunslinger Rank	Flipside Crypto
<ul style="list-style-type: none">Submitted 10+ Grand Prize winning submissionsSubmissions include -<ul style="list-style-type: none">Biconomy's Hyphen Bridge activity on Optimism and AvalancheHyphen Bridge Metrics on Arbitrum DeploymentCelsius activity on Sushiswap ecosystemIntroductory articles for Orion.money and Apollo DAOAnalysis of Anchor protocol returns in Terra ecosystemAnchor Bonded Asset Distribution and ANC token usageCurve vs Uniswap v3 stablecoin swap comparisonCurve Stablecoin swap Slippage AnalysisSushiswap - Governance DistributionVisor TVL analysisEthereum DEX Token comparisonOsmosis - Post unstake activityScraping Pool and Kashi data of Sushiswap	

EDUCATION

Master of Science - Physics (Astronomy and Astrophysics)	Jun 2019 — Jul 2021
Christ (Deemed to be University), CGPA: 8.52/10	Bengaluru
Bachelor of Science - Physics, Mathematics, Electronics	Jun 2016 — Apr 2019
Christ (Deemed to be University), CGPA: 8.92/10.00	Bengaluru