

Kanyakumari, TN, India
(+91)9443038530
todarvinrio@gmail.com

Darvin Raj P

Onchain and DeFi Analyst

linkedin.com/in/darvinrio
github.com/darvinrio
twitter.com/maybeYonas

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 Jul 2022 — Aug 2022

- 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 hash
- Queries theGraph AAVE subgraph and displays historical activity and current position of users

Binance Trading Bot, Hobby project May 2021 — Aug 2021

- 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.

LUNA Arbitrage Web App, Hobby project Feb 2022 — March 2022

- Aggregated all LUNA Derivative arbitrage opportunities on Terra Blockchain under one Web-App
- Returns of each Derivative Arbitrages were simulated and the best opportunity was highlighted
- Users could Swap and Recover the derivative underlying in a single click instead of browsing multiple web-apps

Long term Optical Variability of high redshift ($Z > 0.8$) Narrow line Seyfert 1 Galaxies, MSc Project Jul 2020 — Apr 2021

- 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 galaxies
- Discovered 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

- Submitted 10+ Grand Prize winning submissions
- Submissions include -
 - Hyphen Bridge Metrics on Arbitrum Deployment
 - Introductory articles for Orion.money and Apollo DAO
 - Analysis of Anchor protocol returns in Terra ecosystem
 - Anchor Bonded Asset Distribution and ANC token usage
 - Curve vs Uniswap v3 stablecoin swap comparison
 - Curve Stablecoin swap Slippage Analysis
 - Sushiswap - Governance Distribution
 - Visor TVL analysis
 - Ethereum DEX Token comparison
 - Osmosis - Post unstake activity
 - Individual analysis of Wormhole, Shuttle, Across bridges
 - Scraping 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