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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**
- 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

Hyphen Bridge Dashboard, FlipsideCrypto project   **Aug 2022**
- NextJS Web-app to track metrics of the HyphenBridge by Biconomy
- Queries FlipsideCrypto database with their SDK and populates data from 6 chains
- Tracks essential metrics like TVL, Bridging activity and their historical values

LUNA Arbitrage Web App[now defunct], Hobby project   **Feb 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

Binance Trading Bot, Hobby project   **May 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.

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