TANMAY MUNJAL

Edmonton, Canada

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LINKS

Github, Linkedin

EMPLOYMENT HISTORY

Remote

- · Built AMM(Automated Market Makers) to allow for the effective flow of custom-generated SPL tokens as derivatives of underlying tech value of the Repository of code they represent
- Built a custom Merkle tree on-chain to store hash proofs of large-scale indexed user data on-chain while storing data on Solana ledger using CPI program logs to allow for universal access to the data using external indexers.
- · Built an on-chain program that syncs with GitHub data and allows incentivization of open source contributions by repository owners and community,
- Played a central role in the system design of 2 major smart contracts, one related to the synchronization of GitHub data and incentivization of open source contributions, the other for the purpose of on-chain skill validation and large-scale indexing of off-chain data.
- ♦ Software Engineer, OnFinance Nov 2022 Mar 2023 Hybrid, Bengaluru
 - · Led end-to-end the maintenance, creation, and scaling of the entire Python and Golang backend in a fast-changing environment in an early-stage startup.
 - · Created a custom python backend logging system to capture and store system data for debugging and analytics, reducing production outages by 90%.
 - Created CI/CD pipelines to streamline Kubernetes deployment and montioring.
 - Integrated Mixpanel logging throughout the entire backend, and also helped create custom dashboards using Retool, decreasing product data request turnaround times from an average of 1 week to less than 10 minutes.
- ♣ Full Stack Developer, Clancy Studio
 Jun 2022 Nov 2022

Hybrid, Chandigarh

- · Led the company's migration from on-prem hardware to the cloud, increasing scalability and reducing yearly hardware costs by 80%.
- Led the development of an internal database abstraction layer standardizing database access throughout multiple micro-services.
- · Developed automated python bots to automate large parts of the company's inner workings, reducing time spent on manual daily tasks by 95%.

SKILLS

Python	Experienced	NodeJS	Skillful
Golang	Experienced	Anchor	Experienced
Rustlang	Experienced	Solana	Experienced

EDUCATION

♦ University of Alberta Sep 2023 — Present

Edmonton Bachelors of Science

Pursuing a double major in Physics and Computing Science			
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EXTRA-CURRICULAR ACTIVITIES			
Authored a published book			
Wrote and got my book published on single variable differential and integral calculus" Mathematical methods of calculus"			
Research on sociological implications of Crypto			
Published a research paper on the impact of private cryptocurrency on sociological and political level, especially how many already existing technologies could be integrated to create a hyper privacy coin and the disaster it can cause to the modern financial structure of the world			
Placed first at TH.0 Hackathon			
Created an ERC20 token, payment mechanism bot, and a web scraper within 24 hours while collaborating with other team members on code and product ideas.			
❖ Studied undergrad level Physics in 8th Grade			
I was given permission to give Bsc.Hons. exam in Physics in 8th grade by head of Physics department, PU,Chandigarh			
♣ Robotics Developer Oct 2023 — Present ARVP Edmonton			
Onboarding and starting to contribute to ROS2 python and C++ codebase that interacts with embedded hardware, running an underwater robot that placed 3rd in RoboSub last year.			
♣ ML Developer Oct 2023 — Present UAIS Edmonton			
Leading the development of a sentiment analysis bot that takes in unlabeled data from a hockey team's Reddit and analyses the average sentiment of each hockey team throughout the game.			
PROJECTS AND FREELANCE			
♣ Large scale scrapping and data pipelining			
Worked as a freelancer to aid a high-ticket B2B startup in large-scale scrapping and analysis of data to find the ideal customer to target and market.			
• API abstraction layer			
Aided a Fintech startup to create an API wrapper over their existing infrastructure to allow for clean usage patterns and effective abstraction in the connection layer between their Frontend and Backend			
❖ Gas optimised Solidity contracts			
Optimized a Polygon Solidity contract to be more gas efficient by reducing unnecessary multiple loops, copying data into memory when no change was being made to it, etc.			
Link: https://github.com/tanmaymunjal/journal3-contracts			

Freshman at the University of Alberta,