Akash Thota

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EDUCATION

RGUKT NUZVID
B.Tech in ECE
Expected July 2023
Cum. GPA: 7.7
{till 4th Semester}

LINKS

g00g1y5p4
g00g1y5p4
g00g1y5p4
g00g1y5p4.github.io

COURSEWORK

- DSA and Oops in Python/Rust
- Web Technologies and DBMS
- Linear Algebra
- Probability and Statistics
- BlockChain Technology

TECHNICAL SKILLS

SKILLS
- Web Backend Development
- Machine/Deep Learning
- Android/Hybrid App Development
- Developing on Python and Rust
- Developing Smart Contracts

LANGUAGES
• Python • Rust • Solidity • Java
• JavaScript • GoLang • C/C++

BLOCKCHAIN NETWORKS
• Solana • Etherium

FRAMEWORKS
• React • NextJs • Flask/FastAPI
• TensorFlow • Anchor

DATABASE
• SQL/MySQL • SQLite3 • MongoDB

CLOUD
• Microsoft Azure • Google Cloud

OS EXPERIENCE:
• Linux Kernel v3.11 - v5.* • Windows
• Angstrom

EXPERIENCE

EDVORA, INC | FastAPI Backend Developer
June 2022 - Present, Online

- Edvora aims to be the future of edtech plus in education with emerging technologies in a connect from anywhere ecosystem. Here, most of my work depends on the issues or bugs that were raised in the beta application. I'm working on developing APIs and DevTesting for mobile and web applications. Here, I'm always tired to secure the system from attackers by fixing vulnerabilities.

STRAWHATS ORG | Rust Backend Developer
May 2022 - Present, Online

- In Strawhats, I'm contributing as a rust backend developer on an application that is fully hybrid and uses web 3.0 technology. The application uses the Solana blockchain network to build secure pathways between users. My main goal is to work on smart contracts to build secure and non-vulnerable backend programs for safe and fast token transactions.

PROJECTS

PROJECT UNKNOWN (NOT YET NAMED) **blog**
April 2022 - Present, Personal and Academic Major Project
Web 3.0 | Anchor | Rust | Solana | React
• We always observe that many of the people around us are using Instagram reels, TikTok, etc. like social media applications. Most of them spent their time with that application only. Later observing all of these things, I decided to make an application that gives money for doing a reel or posting albums on social media like youtube. So, I started developing this application based on web 3.0 technology. We choose Solana as our backend blockchain platform to store users' information and money transactions in a very secure way. We are developing this application for Web, iOS, and Android using React and Anchor frameworks with the NextJs backend. Reel creators are earning money based on the NFT's rent algorithms.

VEHICLES ANTI-THEFT SOLUTION USING DE10NANO **blog**
Jan 2022 - April 2022, Global Semifinals, Conducted by terasic, Intel
Deep Learning | Android | Flask
• InnovateFPGA is a contest to solve problems over the globe in a sustainable way. After a lot of research we figured out that daily, Globally 1000's vehicles are got stole. Later, we figured out that there are many ways to steal a vehicle in the present technology. Based on the data analytics and research we figured out 5 ways to stop thieves from all of the ways that can possible with the present technology. This project is built upon a De10nano FPGA board. By connecting Azure cloud and the RTOS in DE10Nano we can stop thieves from stealing vehicles. We placed our De10Nano board at the vehicle root system after a cloud connection was established. We built an Android app that sense what happening inside and outside the vehicle. This user-friendly and reliable system was used to catch thieves within seconds using FPGAs and cloud communication. Since the device warns instantly with GPS location, and images of thieves.