Akshat Singh

Software Developer

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TECHNICAL SKILLS

Fundamentals and Languages: DSA, Python, C++, SQL
Frontend: React, React Native, Next, Typescript, GraphQL, Rest APIs
Backend: Node, Express, MongoDB
Blockchain: Solidity, Truffle, Hardhat
Machine Learning:PyTorch, Tensorflow, Scikit-learn, EDA
Cloud Infrastructure:Docker, Kubernetes, Terraform, AWS

PROJECTS

NativeChat | *React Native, Express, Node, MongoDB* — 2023
- Developed a real-time chat platform. Leveraged React Native for a seamless mobile experience, MongoDB for scalable data storage, and Node and Express for a robust backend.
- Implemented secure user authentication and facilitated rich multimedia communication, empowering users to connect effortlessly.

BlockStorage | *Solidity, React, Mocha, Chai, Truffle, IPFS* — 2023
- Developed a decentralized image upload and sharing system.
- The Dapp features decentralized storage on IPFS, Ethereum smart contracts for ownership and access control, and a secure system allowing users to grant or revoke access to their uploaded images.

Neural Car | *Javascript, Neural Network, Sensor and Signal Processing* — 2024
- Developed a self-driving car simulation using vanilla JavaScript and Neural Networks, simulating car behavior with controls, sensors, and neural network processing to navigate through a simulated environment

NoCentral | *Solidity, React, Hardhat, IPFS, Mocha, Chai* — 2023
- Developed a decentralized Real Estate application.
- Implemented a user-friendly interface that allows users to browse, buy, and sell real estate NFTs, made in accordance to the ERC721 guidelines.

EXPERIENCE

Product Developer - Internship — Feb. 2023 – July. 2023
Speak Your Mind Education LLP - it's an Ed-Tech startup. — *Chennai, India*
- Thrived in a dynamic pre-seed startup environment, demonstrating adaptability and resourcefulness in navigating evolving project requirements and tight deadlines.
- Designed and implemented intuitive front-end interfaces using React, Redux, Tailwind, and React Navigation for company MVP dashboards.
- Ensured cross-device functionality by developing responsive designs, optimizing performance for desktop and mobile platforms.
- Diversified contributions by creating API endpoints for multiple course modules within Django's backend framework.

CERTIFICATIONS

Introduction to Front-end Development - Meta
Introduction to Software Engineering - IBM
Python Essentials for MLOPs - Duke University
Exploratory Data Analysis for Machine Learning - IBM

EDUCATION

SRMIST, 8.5 — Chennai, India
Faculty of Computers Science spl. in Software Engineering — *2020 - 2024*
Software Development Life Cycle, Software Testing, Agile and Scrum Methodology

City Montessori School, 90.2 — Lucknow, India
Senior School — *2017 - 2019*