

Akshat Singh

Software Development Engineer

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EDUCATION

SRMIST, 8.45

Faculty of Computers Science spl. in Software Engineering

Software Development Life Cycle, Software Testing, Agile and Scrum Methodology

Chennai, India

2020 - 2024

City Montessori School, 90.2

Senior School

Lucknow, India

2017 - 2019

TECHNICAL SKILLS

Fundamentals and Languages: DSA, HLD, Python, Go, C++, SQL

Frontend: React, Next, React Native, Flutter, Typescript, GraphQL, Rest API

Backend: Node, Express, MongoDB, Flask, FastAPI, Postgress

Blockchain: Solidity, EVM

Machine Learning: PyTorch, Tensorflow, Scikit-learn, EDA

Cloud Infrastructure: Docker, Kubernetes, Terraform, AWS

PROJECTS

Neural Car | Javascript, Neural Network, Sensor and Signal Processing

2024

- Engineered a self-driving car simulation with vanilla JavaScript, integrating a Neural Network that processes sensor inputs to autonomously control the vehicle within a simulated roadway environment.

NativeChat | React Native, Express, Node, MongoDB, Socket.io

2023

- Built a real-time mobile chat application using React Native for the frontend, supported by Node.js, Express, and MongoDB for a scalable and robust backend infrastructure.
- Integrated secure user authentication protocols and enabled real-time text and multimedia message exchange between authenticated users.

BlockStorage | Solidity, React, Mocha, Chai, Truffle, IPFS

2023

- Constructed a decentralized image storage and sharing DApp utilizing IPFS for file persistence.
- Implemented Ethereum smart contracts (Solidity) ensuring secure ownership tracking and enabling user-controlled access permissions (grant/revoke) for shared images.

NoCentral | Solidity, React, Hardhat, IPFS, Mocha, Chai

2023

- Developed a decentralized Real Estate marketplace DApp using React, Solidity, and Hardhat.
- Enabled users to securely browse, buy, and sell property represented as ERC721-compliant NFTs stored immutably on the blockchain.

EXPERIENCE

Software Developer

Jan. 2024 – Current

Freelance

Remote, India

- Expanded my technical expertise by contributing to Software projects for multiple clients as a solo developer.

Product Developer - Internship

Feb. 2023 – April. 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.
- 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

Exploratory Data Analysis for Machine Learning - IBM