

Akshat Singh

Software Developer

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TECHNICAL SKILLS

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

Frontend: React, React Native, Next, Typescript, GraphQL, Rest APIs, Figma

Backend: Node, Express, MongoDB

Blockchain: Solidity, Truffle, Hardhat

Machine Learning: PyTorch, Pandas, Numpy, ScikitLearn, EDA, OpenCV, Langchain, RAG

Cloud Infrastructure: Docker, Kubernetes, Terraform, AWS, GCP

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.

DigitScan | *Pytorch, CNN, Pandas, Numpy* 2024

- A simple convolutional neural network trained on the MNIST dataset, made to predict hand-written digits with a testing accuracy of 98 percentage.

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 - Frontend , Internship Feb. 2023 – Apr. 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