

# Akshat Singh

Software Development Engineer

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## EDUCATION

### SRMIST, 8.45

Chennai, India

Faculty of Computers Science spl. in Software Engineering

2020 - 2024

Python, C++, SDLC, Software Testing, Agile and Scrum Methodology, Design Patterns, DBMS, OOPs, AI/ML

### City Montessori School, 90.2

Lucknow, India

Senior School

2017 - 2019

## TECHNICAL SKILLS

**Fundamentals and Languages:** DSA, LLD, HLD, Python, C++, SQL

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

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

**Blockchain:** Solidity, EVM

**Machine Learning:** Numpy, Pandas, Matplotlib, PyTorch, Scikit-learn, EDA

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

## PROJECTS

### Neural Car | Javascript, Neural Network, Sensor and Signal Processing, Machine Learning

2024

- Developed a self-driving car simulation with vanilla JavaScript, integrating a Neural Network (no libraries) 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 at Freelancer.com

Remote, India

- Contributed to client projects, gaining expertise in software development, debugging and testing, data analysis and modeling, web scraping, database orchestration, scripting automation and web development.

### 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.
- Developed full-stack MVP dashboards, designing intuitive front-end interfaces using React, Redux, Tailwind, and React Navigation, and building supporting API endpoints in Django

## CERTIFICATIONS

Introduction to Front-end Development - Meta

Introduction to Software Engineering - IBM

Exploratory Data Analysis for Machine Learning - IBM