

Sachi Chaudhary

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Result-driven graduate with 2+ years of work exp. seeking internship roles (Jan '25) in Software Engineering

EXPERIENCE (All Research Publications)

Software Development Engineer Intern, GRG ATM Pvt. Ltd. | India Jan 2023 - Dec 2023

- Coached 10 Software Engineers to conduct beta-testing of online user interface based customer engagement platform; analyzed user feedback and reported software bugs, adjust functioning by 55%.
- Reduced customer issues by 20% through implementation of CRM system leveraging MERN stack, integrating customer management, employee management, sales automation, support, and security.
- Automated product search, renewals, front-back-office integration, and reporting, advancing system efficiency by 25% while improving user satisfaction score by 30%.
- Cultivated a scalable Multiverse e-commerce platform using Django, Django REST Framework, and React.js, enabling seamless customer affiliation and resourceful product supervision.
- Collaborated with 5 software developers and architects, modifying software to detect latent faults; supervised software maintenance department personnel, elevating performance by 50%.

Blockchain & Security Research Intern, Sudeep Tanwar's Research Lab | Nirma University, India Dec 2021 - Jan 2023

- Researched smart healthcare, blockchain, federated learning, and decentralized applications, focusing on security frameworks and AI explainability for innovative solutions in electric vehicles and telesurgery.
- Introduced a conference paper on [emotion recognition for a single helpline system](#) at ISDA 2022 and shared insights on [explainable AI and its challenges](#) at IC4S 2022.
- Proposed [a smart contract and IPFS-based framework for secure EV synchronization](#), currently under review at Sustainable Energy, Grids, and Network (impact factor 5.4).
- Published [a blockchain-based secure voting mechanism for 5G networks](#); proposed [blockchain based energy trading scheme for EVs Coordination](#), demonstrated at CCCI 2023 and published in IEEE Xplore.
- Delivered [decentralized applications for EV scheduling](#) and [telesurgery](#) at ACM Southeast Conference 2024 and Confluence 2024.

PROJECTS

Boston Homes Connect Feb 2024 - May 2024

- Developed Boston Homes Connect, a web application expanded broker-homeowner connections by 40%, deploying React, Node.js, Express.js, and MySQL.
- Designed a user-friendly interface with React, HTML, CSS, and JavaScript, achieving a 30% improvement in user immersion through Redux and Axios.
- Teamed up with developers and stakeholders to launch a comprehensive admin dashboard, enabling brokers and homeowners to efficiently manage over 200 property listings and customer requests.

Blockchain & Smart Contract-Based Consensus Mechanism for EV Charging Allocation & Trading

- Facilitated a blockchain-based DApp to upgrade EV charging allocation, overhauling efficiency by 30% through consideration of EV types, waiting time, charging time, and energy demands.
- Partnered with cross-functional teams to develop a trading mechanism between high-demand and low-demand EVs, optimizing charging allocation and collectively reducing overall wait times by 25%.
- Utilized HTML, CSS, and JavaScript for front-end development, integrating Solidity smart contracts via MetaMask, revamped user inclusion by 40% through consistent interactions with Ether.js and Web3.

EDUCATION

M.S., in Computer Science, Northeastern University | Boston, Massachusetts, USA | **GPA:** 4.00 Dec 2025

B.Tech., in Computer Science and Engineering, Nirma University | Ahmedabad, Gujarat, India | **GPA:** 4.00 Jan 2024

SKILLS

Languages: Java, C, JavaScript, Python, HTML, CSS, TypeScript, Solidity

Technologies: Angular, Django, Node.js, React.js, Spring boot, Vue.js

Databases: MySQL, MongoDB, Oracle, SQL Server, Cassandra,

Tools: Git, Spark, Hadoop, AWS, Power BI, Tableau, Confluence, Apache Ivy, Maven

Libraries: NumPy, Pandas, SciPy, PyTorch, Tensorflow, Keras