**Sachi Chaudhary**

Boston, MA 02120 | +1(408) 334-8269 | [chaudhary.sac@northeastern.edu](mailto:chaudhary.sac@northeastern.edu) | [linkedin.com/in/contactsachichaudhary/](https://www.linkedin.com/in/contactsachichaudhary/)

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

**EXPERIENCE** [**(All Research Publications)**](https://scholar.google.com/citations?hl=en&user=jA1MvMUAAAAJ)

**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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=jA1MvMUAAAAJ&citation_for_view=jA1MvMUAAAAJ:zYLM7Y9cAGgC) at ISDA 2022 and shared insights on [explainable AI and its challenges](https://link.springer.com/chapter/10.1007/978-981-99-1479-1_63) at IC4S 2022.
* Proposed [a smart contract and IPFS-based framework for secure EV synchronization](https://www.sciencedirect.com/science/article/pii/S2352467724000018), currently under review at Sustainable Energy, Grids, and Network (impact factor 5.4).
* Published [a blockchain-based secure voting mechanism for 5G networks](https://ieeexplore.ieee.org/abstract/document/10188663); proposed [blockchain based energy trading scheme for EVs Coordination](https://ieeexplore.ieee.org/abstract/document/10290823), demonstrated at CCCI 2023 and published in IEEE Xplore.
* Delivered [decentralized applications for EV scheduling](https://dl.acm.org/doi/abs/10.1145/3603287.3651182) and [telesurgery](https://ieeexplore.ieee.org/abstract/document/10463231) at ACM Southeast Conference 2024 and Confluence 2024.

**PROJECTS**

[**Boston Homes Connect**](https://github.com/97sachi/BostonHomes_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