

EDUCATION

<b>Stony Brook University</b> Master of Science in Computer Science (CGPA: 3.6/4.0) <ul style="list-style-type: none"><li>Relevant Coursework: Algorithms, Operating Systems, Wireless Networks</li></ul>	<b>Expected May 2026</b> New York, USA
<b>University of Mumbai – Thadomal Shahani Engineering College (TSEC)</b> Bachelor of Engineering in Computer Engineering (CGPA: 9.05/10) <ul style="list-style-type: none"><li>Relevant Coursework: Databases, Computer Networks, Distributed Systems</li></ul>	<b>May 2024</b> Mumbai, India

EXPERIENCE

<b>Meta &amp; Major League Hacking</b> <i>Production Engineering Fellow</i> <ul style="list-style-type: none"><li>Selected for a competitive 12-week, course-based Production Engineering fellowship with mentorship from industry-experts.</li><li>Built an <b>open-source Flask-based</b> portfolio template, automating deployment using <b>Docker and CI/CD</b> to enhance reliability.</li><li>Implementing <b>Prometheus and Grafana</b> monitoring for containerized services, ensuring real-time observability.</li></ul>	<b>Jun 2025 — Sep 2025</b> Remote
<b>Aumsat Technologies</b> <i>Software Developer Intern</i> <ul style="list-style-type: none"><li>Built a ground subsidence detection system processing <b>500+ geospatial datasets</b>, enabling data-driven urban planning decisions.</li><li>Developed a scalable <b>Flask backend with React.js dashboard</b> in a <b>Dockerized environment</b>, ensuring seamless deployment.</li><li>Applied data replication and concurrency techniques to analyze <b>5 years of trends</b>, improving predictive analytics accuracy.</li></ul>	<b>Jun 2023 — Oct 2023</b> Mumbai, India

PROJECTS

<b>Open Source Security Research – MetaMask</b> <ul style="list-style-type: none"><li>Researched Ethereum address poisoning, typosquatting, and domain drop-catching attacks affecting millions—<b>270M attempts</b>.</li><li>Designed detection logic using address similarity, tx history, zero-value flagging, reducing phishing risk by <b>70%</b> for targeted users.</li><li>Contributed mitigation strategies to MetaMask’s codebase, improving wallet safety and resilience against top phishing vectors.</li></ul>	<b>Jan 2025 — Apr 2025</b>
<b>ZapMap Electric Vehicle Charging Station Locator</b>   <i>Flutter, Flask, Docker</i>   <a href="#">Code</a> <ul style="list-style-type: none"><li>Designed a scalable EV charging platform with slot booking, serving <b>100+ stations</b> at <b>98% uptime</b>.</li><li>Engineered a custom <b>A* pathfinding algorithm</b>, cutting route calculation time by <b>60%</b> vs. Dijkstra’s algorithm.</li><li>Integrated 3+ APIs (TomTom, eDRV, Stripe) for navigation, charger status, and secure payments with <b>99.9% availability</b>.</li></ul>	<b>Oct 2023 — May 2024</b>
<b>Rashi Pay - Offline Payment Interface (Smart India Hackathon 2022)</b>   <i>React Native, TailwindCSS, Express.js</i> <ul style="list-style-type: none"><li>Built an offline digital payment app using <b>Bluetooth</b>, enabling <b>40% faster P2P transfers</b> without internet.</li><li><b>Winner of Smart India Hackathon 2022</b> among <b>400 teams</b>, delivering a cross-platform solution with React Native + Express.js.</li><li>Secured <b>10,000+ test transactions</b> via <b>2048-bit RSA encryption</b>, ensuring safe and reliable P2P payments.</li></ul>	<b>Mar 2022 — Aug 2022</b>
<b>Alpha Trading</b>   <i>React.js, Firebase, TailwindCSS</i>   <a href="#">Code</a> <ul style="list-style-type: none"><li>Developed a real-time paper trading platform with live updates for <b>500+ NSE stocks</b>.</li><li>Achieved <b>85% prediction accuracy</b> using an <b>LSTM model</b> for 30-day stock forecasting.</li><li>Optimized platform performance with efficient state management and real-time data streaming.</li></ul>	<b>Dec 2021 — Mar 2022</b>

TECHNICAL SKILLS

<b>Programming Languages</b>	Python, Java, C/C++, JavaScript, TypeScript, Kotlin, Solidity
<b>Web &amp; Frameworks</b>	React.js, Next.js, React Native, Flutter, Express.js, Flask
<b>Systems &amp; Infra</b>	Docker, Kubernetes, Nginx, CI/CD (GitHub Actions)
<b>Monitoring &amp; Tools</b>	Prometheus, Grafana, Git, GitHub
<b>Databases</b>	MySQL, PostgreSQL, MongoDB, Redis, CockroachDB, Cloud Firestore
<b>Cloud Platforms</b>	AWS, Azure, Firebase

ACHIEVEMENTS

<b>Winner at HopperHacks 2025</b> (Best Overall Project) and <b>HackNYU 2025</b> (Best Use of Streamlit) among <b>235+ projects</b> .	<b>2025</b>
Ranked top 20 at Harbinger 2.0 RBI International hackathon out of <b>363 teams from 22 countries</b> for scalable blockchains.	<b>2023</b>
<b>Winner at Smart India Hackathon 2022</b> among <b>30,000 teams nationwide</b> for developing an offline payments interface.	<b>2022</b>

PUBLICATIONS

Published “A Cloud-Based Architecture for EV Charge Station Finder with Efficient Scheduling” at <b>CSA 2024 Conference</b> .	<b>2024</b>
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LEADERSHIP EXPERIENCE

<b>Google Developer Student Clubs (GDSC) TSEC - Community Lead</b> <ul style="list-style-type: none"><li>Led a 10-member team and organized 14 technical events for 600+ students, including workshops and hackathons.</li></ul>	<b>Jul 2021 — May 2023</b>
<b>TSEC CodeCell - Committee Head</b> <ul style="list-style-type: none"><li>Organized 6 technical events including 2 editions of TSEC Hacks (200+ participants each).</li></ul>	<b>Aug 2021 — Apr 2023</b>