

EDUCATION

<b>Stony Brook University</b> Master of Science in Computer Science (CGPA: 3.67/4.0) <ul style="list-style-type: none"><li>Relevant Coursework: Algorithms, Operating Systems, Wireless Networks, Data Structures</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 <b>Production Engineering</b> fellowship to build scalable systems under industry mentorship.</li><li>Engineered system telemetry pipelines using <b>Prometheus &amp; Grafana</b>, improving observability and enabling incident detection.</li><li>Deployed and managed containerized applications using <b>Docker</b>, configuring <b>Nginx</b> reverse proxies to handle high-volume traffic.</li><li>Developed internal tooling and dashboards with <b>Python</b> and <b>React.js</b> to monitor fleet health and visualize real-time system metrics.</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>Architected a data processing pipeline handling <b>500+ geospatial datasets</b>, driving data-driven urban planning decisions.</li><li>Automating backend workflows using <b>Python</b>, reducing data ingestion and processing latency by <b>40%</b>.</li><li>Developed RESTful APIs using <b>Flask</b> and integrated map-based visualizations, optimizing the retrieval of large-scale location data.</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 thousands—<b>175K 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 — Dec 2025</b>
<b>ZapMap - EV Charging Infrastructure</b>   <i>Flask, Docker, Microservices</i> <ul style="list-style-type: none"><li>Architected a microservices-based platform utilizing <b>Docker</b> for containerization, ensuring consistent deployment environments.</li><li>Optimized system performance by engineering a custom <b>A pathfinding algorithm</b>, reducing route calculation latency by <b>60%</b> compared to standard Dijkstra implementations.</li><li>Designed high-availability REST APIs to integrate multiple third-party providers, maintaining <b>98% uptime</b> during testing.</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 - Real-Time Market Data System</b>   <i>React.js, WebSockets, Firebase</i> <ul style="list-style-type: none"><li>Engineered a <b>low-latency</b> trading simulation platform processing real-time WebSocket feeds for <b>500+ NSE stocks</b>.</li><li>Optimized application performance by implementing efficient state management to handle high-throughput market ticks.</li><li>Integrated a predictive data pipeline using LSTM neural networks, providing historical trend analysis and 30-day market forecasts with <b>85% accuracy</b>.</li></ul>	<b>Dec 2021 — Mar 2022</b>

TECHNICAL SKILLS

<b>Languages</b>	Python, TypeScript, SQL, Bash/Shell Scripting, C++
<b>Systems &amp; Networking</b>	Linux, TCP/IP, DNS, HTTP/S, Nginx, Load Balancing, OS Internals
<b>Infrastructure &amp; Cloud</b>	AWS, Docker, Kubernetes, Terraform, CI/CD (Github Actions)
<b>Observability &amp; Tools</b>	Prometheus, Grafana, Splunk, Git
<b>Backend &amp; Databases</b>	MySQL, PostgreSQL, MongoDB, Redis, REST APIs, gRPC

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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