

EDUCATION

<ul style="list-style-type: none"><li><b>The University of North Carolina at Chapel Hill</b> <i>Masters - Information Science; GPA: 3.9</i></li><li><b>Jawaharlal Nehru Technological University</b> <i>Bachelor's - Electronics and Computer Engineering; GPA: 3.98</i></li></ul>	<div>Chapel Hill, North Carolina Aug 2022 - May 2024</div> <div>Hyderabad, India Aug 2016 - Aug 2020</div>
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SKILLS SUMMARY

- Languages:**        Java, Python, JavaScript, Angular JS, React JS, Typescript, C++, SQL, HTML, CSS
- Frameworks:**    TensorFlow, PyTorch, CUDA, Keras, Numpy, Scikit-Learn, Pandas, Spring, Agile development, Scrum
- Tools:**            CI/CD, Git, Jenkins, GraphQL, Docker, Kubernetes, DynamoDB, Postgres, MongoDB
- Platforms:**       Windows, Linux, Web, AWS, GCP Cloud
- Soft Skills:**      Public Speaking, Writing, Leadership, Communication

EXPERIENCE

<ul style="list-style-type: none"><li><b>UNC School of Medicine</b> <b>Full Stack Software Engineer</b></li><li>Designed, developed, and maintained scalable full-stack applications using React, JavaScript, Node.js, and REST APIs following object-oriented patterns, improving user experience and system performance.</li><li>Integrated AI-driven analytics with LLMs, implementing CQRS patterns to separate read/write operations, increasing model inference accuracy by 8%.</li><li>Took ownership of backend services, writing production-ready and testable code in Spring Boot and Node.js while ensuring proper handling of PHI data, improving API efficiency by 30%.</li><li>Refined system architecture using Domain-Driven Design principles with scalable microservices and cloud-based solutions, reducing server load by 25%.</li><li>Optimized CI/CD pipelines using GitHub Actions, Jenkins, Docker, and Kubernetes to create efficient container runtimes and cloud-native deployments, cutting release cycle time by 50%.</li><li>Facilitated cross-functional collaboration with physicians and data scientists in an Agile/Scrum environment, accelerating product delivery through effective teamwork.</li><li><b>UNC Chapel Hill</b> <b>Software Engineer Intern</b></li><li>Analyzed over 10,000+ PostgreSQL entries for an EPA project using data preprocessing and ETL pipelines, implementing secure handling protocols for sensitive data, reducing processing time by 15%.</li><li>Translated user needs into scalable software solutions while providing level of effort (LOE) estimates for capabilities, increasing feature adoption rates.</li><li>Resolved system failures through in-depth debugging and performance tuning, participating in triage sessions to identify and fix reported issues, reducing incident response time by 17%.</li><li>Enhanced backend data pipelines by implementing ETL workflows and integrating with upstream/downstream APIs, creating reliable data connections with 40% reduced latency.</li><li><b>Virtusa</b> <b>Full Stack Software Engineer</b></li><li>Developed reusable UI components following approved code patterns and automated AWS deployment processes for 7 web applications, enhancing user interfaces.</li><li>Streamlined coding efficiency by 8% through object-oriented programming and data structures with React and Node.js, consistently submitting code for peer review and applying feedback.</li><li>Engineered data streaming pipelines using Kafka and Spark with event-driven architecture, decreasing data loss by 10%.</li><li>Implemented Git-based CI/CD operations for customer-facing products, increasing performance by 21%.</li></ul>	<div>Chapel Hill, North Carolina Aug 2024 - Present</div> <div>Chapel Hill, North Carolina Aug 2023 - Apr 2024</div> <div>Hyderabad, India Oct 2020 - Jun 2022</div>
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PROJECTS

<ul style="list-style-type: none"><li><b>AI Resume Optimizer</b></li><li>Architected an AI-powered Resume Optimizer using TensorFlow and spaCy within Agile development methodology, increasing resume match scores by an average of 15%.</li><li>Integrated LangChain and LangGraph frameworks into resume platform, improving semantic understanding by 20%.</li><li><b>Stock Market Analysis Tool</b></li><li>Engineered a full-stack stock analysis application using FastAPI and React.js, executing comprehensive test plans to ensure data accuracy of 99.8%.</li><li>Implemented financial calculations with zero lookahead bias, achieving up to 100% win rate on specific trading signals.</li></ul>	<div>Feb 2025 - Present</div> <div>Dec 2024</div>
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OPEN SOURCE CONTRIBUTIONS

<ul style="list-style-type: none"><li><b>Roboflow Supervision (Computer Vision Library)</b></li><li>Resolved critical mask movement operation bugs by implementing vector-based transformation algorithms, enabling bi-directional movement and increasing tool flexibility.</li><li>Wrote a comprehensive test suite with pytest fixtures covering edge cases and regression testing, reducing bug occurrence by 70%.</li></ul>	<div>Dec 2024</div>
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