

ARJUN HEGDE

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EDUCATION

Cornell University, New York City, New York

May 2025

Master of Engineering, Computer Science

- Cornell Tech: an immersive program integrating advanced coursework, project-based learning, and entrepreneurship in NYC
- Coursework: Product Studio, Startup Studio, Applied Machine Learning, Human Computer Interaction and Design, Machine Learning Engineering, Optimization Methods, Introduction to Computer Vision, Building Startup Systems
- Merit Scholarship Recipient

The University of Texas at Austin, Austin, Texas

May 2024

Bachelor of Science, Computer Science

- Concentration: Machine Learning and Artificial Intelligence
- Coursework: Data Structures, Algorithms, Discrete Math, Computer Architecture, Operating Systems, Probability & Statistics
- Minor: Business

EXPERIENCE

Autonodyne, Boston, Massachusetts

May 2024 – August 2024

Software Engineering Intern

- Built and optimized real-time data pipelines using C# and Snowflake SQL, enhancing geospatial data analysis for emergency response teams, by visualizing wildfires safely and efficiently through drone imagery bringing in \$30k in contract revenue
- Created functionality that integrates with AT&T FirstNet allowing firefighters to instantaneously communicate with the public via SMS and Twitter channels, saving an estimated 2 hours per communication line
- Refactored core algorithms and optimized API performance, reducing data retrieval latency by 30% for rapid decision-making

Oracle Corporation, Austin, Texas

May 2023 – August 2023

Technical Product Manager Intern

- Led cross-functional teams between engineering, design, and business, driving product development for Public Safety Systems
- Defined product initiatives, managing agile sprints (Jira) and stakeholder feedback to optimize financial and resource modeling
- Constructed a 5-year product roadmap, securing client buy-in and guiding engineering toward scalable solutions
- Optimized team workflows by managing Confluence workspaces and organization documentation, doubling efficiency

Oracle Corporation, Austin, Texas

May 2022 – August 2022

Software Engineering Intern

- Engineered Python and Ansible shell dev environment playbooks to streamline onboarding functionality by 4 weeks
- Developed C#-based tools to automate database updates from Excel and Oracle SQL, reducing data discrepancies by 30%.
- Automated CI/CD pipelines using Docker and Kubernetes, improving deployment reliability for Oracle Cloud Control Plane

SKILLS

- **Advanced:** Java, C#, .NET, JavaScript, Python, C, C++, HTML5, CSS3, SQL, Agile, React, Swift, Kotlin, NumPy, PANDAS, PostgreSQL
- **Intermediate:** Docker, Kubernetes, GraphQL, React, Jupyter Notebook, AWS, PowerBI, Jest, Postman, Spring, T-SQL, CUDA

PROJECTS

ARCTA (Financial AI Platform for Investment & Document Analysis)

- Implemented a financial data processing platform that automates valuation workflows for structured and unstructured investment documents using C#, .NET Core, Firebase, and Snowflake SQL.
- Pioneered an ETL pipeline using Azure Data Factory, PostgreSQL, and Pandas, and integrated SQL, VBA macros, and REST APIs into Excel to streamline financial data processing and reduce manual effort by 40%.
- Deployed a React/Electron frontend with GraphQL for real-time investment portfolio data analysis and interactive visualization

ADDITIONAL INFORMATION

- Leadership: Phi Chi Theta Business Fraternity Delta Mu Chapter (President, Minister of Culture, Spirit Chair, Executive Board), Cornell Tech Student Ambassador (Admissions and Career Management), Cornell Tech Social Committee
- **Work Eligibility:** United States Citizen, Eligible for High-Potential Work Visa (HPI) in the United Kingdom