

Nitin Achuta

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EDUCATION

Texas A&M University

College Station, TX

Bachelor of Science in Computer Science, Minor in Economics

Aug. 2023 – May 2027

- **Academic Achievements:** Dean's list, Century Scholar, AP Scholar with Honors & Distinction **GPA:** 3.9/4.0
- **Relevant Coursework:** Data Structures and Algorithms, Computer Organization, Software Engineering Foundations, Database Systems Computation in Python, Program Designs and Concepts in C++, Discrete Mathematics for Computing

EXPERIENCE

Software Development Engineer Intern

May 2025 – August 2025

KBR Inc.

Houston, TX

- Enabled intelligent Q&A for 40,000+ employees by refining the knowledge base of an internal Agentic-AI assistant rivaling Copilot, leveraging Graph RAG with Neo4j to model Oracle SQL data, deploying backend via .NET.
- Achieved AI compliance and customization, protecting against lawsuits, by developing a React legal disclaimer and custom system prompt, integrated through a .NET backend, tested in Postman within Agile Azure DevOps.
- Resolved a critical knowledge graph ingestion bug halting workflows over 20K data points by adding error-handling and manual checkpoints, boosting capacity to 200K+ and enabling full CSV ingestion for the finance team.
- Won 1st place in an internal hackathon by pitching a scalable, cost-efficient solution enabling the C-suite to answer investor questions, earning follow-up from leadership pursuing a similar initiative.

Computer Science Concepts and Programming TA

June 2025 – Present

Texas A&M University

College Station, TX

- Conduct weekly office hours providing 1-on-1 and group guidance to 200+ students in Java, covering data structures and algorithms, data representation, object-oriented programming, debugging, and software design best practices.
- Planned, managed, and refined course curriculum to align with learning objectives and improve clarity.
- Developed and optimized lab exercises, assignments, and assessments in collaboration with faculty.

Research Analyst Intern

June 2023 – August 2023

World Trade Securities

Remote, (NY)

- Enhanced investment strategies by proposing precise entry/exit points, leveraging market catalysts, and utilizing Python and APIs for data analysis/alerts.
- Supported high-value investment decisions by directly assisting CEO manage a \$500k position in stock options, reinforcing investment decisions using Python for data modeling.
- Identified high-potential stocks through in-depth analysis of Asian markets and utilized C++ to web scrape for market news.
- Improved market condition reassessment for the investment team by drafting daily reports on Asian markets.

PROJECTS

R-Share | *Python, Flask, React, Firebase, Agile*

October 2024 – February 2025

- Co-founded ride-sharing startup, providing affordable transportation for students by peer-to-peer ride matching.
- Led development of the React frontend architecture, implementing reusable component libraries, optimized state management with Redux, and enhanced performance with lazy loading, and firebase for real-time data.
- Led Agile development with sprint planning and collaboration, engaged with sponsors, and scaled to 300+ users.

Notionary | *Next.js, TypeScript, Tailwind CSS, Node.js, Express.js, OpenAI API, Groq SDK, Docker* March 2025

- Built a cloud-native, AI-powered quiz generation platform using Generative AI and LLMs to convert Notion notes into multiple-choice and free-response; delivered a responsive UI with Next.js, Tailwind CSS, and Radix UI.
- Developed a modular REST API backend with Node.js and Express, containerized via Docker for consistent deployments, integrating OpenAI, Groq SDK, and Notion API to enable scalable, real-time content generation.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, Cypher, Typescript

Frameworks: .Net, React, Node.js, Next.js, Flask, WordPress, Material-UI, FastAPI, Agile

Developer Tools: Git, Azure Devops, Figma, Docker, Google Cloud Platform, VS Code, Neo4j

Libraries: pandas, NumPy, Matplotlib, scikit, tkinter