GIRIDHAR NAIR

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EDUCATION

University of Texas at Dallas — Richardson, TX
B.S. Computer Science — *Expected Grad: May 2026*
Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Linear Algebra, Discrete Math

EXPERIENCE

USAA — May, 2024 – August, 2024
Data Engineering Intern — *Plano, TX*
- Released an internal Python package to profile 5000+ records in Snowflake from various data stream pipelines, generating user-friendly HTML reports with data insights, statistics, and sensitive data detection
- Contributed to a workflow that automates parsing and verification of 100+ automobile invoices daily, enhancing error handling with AWS Textract and automated invoice deletion from AWS S3 buckets post-parsing

M.D. Anderson Cancer Center — October, 2023 – December, 2023
Software Engineering Intern — *Houston, TX*
- Developed a full-stack application using React.js and Python FastAPI to deliver AI-summarized healthcare business insights to 20+ users weekly, using Azure App Service for web hosting and MongoDB for user data management
- Deployed a Python web scraping pipeline cron job with BeautifulSoup to aggregate content from 10+ news sources, utilizing Google's PaLM AI for accurate summarization and Mailgun for automated email distribution

EXTRACURRICULAR

Consult Your Community UT Dallas — February, 2024 – May, 2024
Software Engineering Lead — *Richardson, TX*
- Led a team of 3 to develop a top-ranked SEO website using Next.js and Python FastAPI for a Dallas-based student organization offering free software consulting to small, minority-owned businesses and nonprofits

PROJECTS

ProfStats | *Reacts.js, Python, Go, SQLite, Docker, Azure* | Demo | GitHub — November, 2023 - April, 2024
- Featured Chrome extension with 150+ users, merging professor ratings and 5000+ rows of grade distributions at The University of Texas at Dallas for simplified access to course information for students

LitCoach | *Reacts.js, Python, Vercel* | Demo | GitHub — May, 2024 - June, 2024
- AI-powered Chrome extension with 50+ users that delivers real-time feedback and hints for LeetCode problems, reducing user problem-solving time by 30%

AWARDS

2nd Place at AI for All Hackathon | DevPost — September, 2023
- $200 prize; built a full-stack application integrated with Chat-GPT, delivering transcriptions and summarizations of audio content to your email

CERTIFICATIONS

Udacity AI Programming With Python Nanodegree | Credential — June, 2023
Udacity Business Analytics Nanodegree | Credential — July, 2023
Microsoft Office Specialist: Microsoft Excel 2016 | Credential — December, 2021

TECHNICAL SKILLS

Languages: Python, Javascript, Java, SQL, Go, C++, HTML/CSS
Developer Tools: Git, Github, Docker, AWS, Microsoft Azure, Google Cloud Platform, Snowflake Cloud, Postman
Frameworks and Libraries: React.js, Next.js, Express.js, Flask, FastAPI, Django, NumPy, Pandas, TensorFlow, Gin, Springboot, Data Build Tool
Databases: MongoDB, Firebase, Snowflake, MySQL, PostgreSQL, SQLite, Redis