

LOKESH NARASANI

Flower Mound, TX

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Education

University of Texas at Dallas

Aug. 2021 – May 2025

Bachelor of Science in Computer Science

GPA: 3.6

Work Experience

Dallas Mavericks

February 2024 - Present

Software Engineering Intern

Dallas, TX

- Worked on an analytics dashboard using **Node.js**, **React**, and **JavaScript** to provide scouts and front office staff with real-time insights into player/team statistics and scouting reports
- Utilized **AWS Lambda** serverless functions to efficiently process and serve data from **SQL** databases to the front-end
- Implemented reusable React components and hooks to build an intuitive and responsive UI for visualizing complex data
- Collaborated closely with team scouts and analysts to gather requirements and identify key metrics to surface through the dashboard

PNC

May 2023 - August 2023

Software Engineering Intern

Farmers Branch, TX

- Developed an end to end solution for tracking Cloud costs and automating total cost of ownership using scaled usage comparisons across the company using **Java**, **SpringBoot**, and **Vue.js**
- Designed and presented a natural language to SQL querying chat-bot to major stakeholders, leading to a **50% reduction in product development time** using Llamaindex
- **Optimized application efficiency by 25%** through refactoring business logic and improving SQL schema and queries
- Enhanced CI/CD by **reducing downtime risk by 40%** through system resilience improvements and controlled failure simulations using OpenShift

Tobu Pengin

June 2022 - Sept. 2022

Software Engineering Intern

Cypress, TX

- Developed an end to end open-source CRM cloud solution for an ERP system using **Flask**, **Python**, and **Docker**
- Improved application start-up time by **over 10%** through containerization of application inside **Docker**, thus reducing project size leading to increased application efficiency
- Achieved **3x faster query times** by refining database models through normalization and caching

Technical Projects

NBA Analytics Tool | *Python, Django, Pandas, Scikit-Learn, React, Javascript, HTML, CSS*

February 2024

- **Architected a RESTful API** with Django to allow users to **search through over 50 years** of statistics
- Attained a game predicting **accuracy of 67%** and player scoring **accuracy of 88%** through a Random Forest Regression model based on data and optimized parameters

Code for Good: CanCare | *React.js, Python, Firebase, Git*

October 2023

- **Led a team of 7** to develop a patient/client dashboard for NGO CanCare using React, enabling cancer patients to connect with mentors for support during treatment
- Implemented a **BERT transformer model** to intelligently match patients with optimal mentors based on compatibility factors derived from onboarding questions
- Created a disease-specific chatbot using a **Retrieval Augmented Generation (RAG) model** and LlamaIndex to provide patients with personalized information

Insurance ChatBot | *Python, Flask, Llamaindex, Langchain, Git*

July 2023

- Utilized **Llamaindex** to vectorize document data and employed layered embeddings through Instructor for building a personalized insurance guide
- Developed a chat-bot to help current health insurance members understand their coverage and plan options

Kiddie Bank | *Python, Django, HTML, CSS, Git*

August 2022

- **Led a team of 5** in designing and developing a web application to teach children aged 8-16 how to manage money
- Developed a full-stack application catering to both parent and child accounts, and utilized **Django** to handle page routing and navigation

Technical Skills

Languages: Python, Java, C++, JavaScript, HTML/CSS, SQL

Developer Tools: Jest, Git, Docker, Jenkins, Postman, Azure, OpenShift, Kubernetes

Frameworks: React, Flask, Django, Node.js, SpringBoot, Express.js