

Tejas Raman

469-536-4873 | tejassraman@gmail.com | tejasraman.com

EDUCATION

University of Texas at Dallas

Bachelor of Science in Computer Science

Dallas, TX

Aug 2024 – May 2027

Honors and Scholarship(s): Academic Excellence Scholar

Relevant Coursework: Computer Science 2, Discrete Mathematics for Computing, Data Structures and Algorithms, Linear Algebra, UNIX Programming

ORGANIZATIONS

Artificial Intelligence Society

January 2025 - May 2025

The University of Texas at Dallas

Richardson, TX

- Worked with a Team of 5 developers to make a web app that students can use to easily access class details from the UT Dallas Syllabus and learn topics using AI Study Tools built using a RAG AI Model
- Presented to a panel of 5 industry judges in the AI/ML industry to showcase our project and get insight from industry professionals on how to improve our projec
- Team Won 2nd place at AI Mentorship (AIM) night for innovative use of AI to enhance student productivity through our gameify features that use reinforcement learning

PROJECTS

Web Portfolio | *React, MongoDB, Express, Node, Vercel, Figma, TailwindCSS*

November 2024

- Built and deployed a full-stack personal website using React and TailwindCSS with a backend for contact form handling; optimized performance to achieve a 98% First Contentful Paint and 94% Lighthouse score
- Built and styled multi page layout with React Router, enabling direct navigation to /Project and /Contact routes across desktop and mobile devices.
- Integrated Express and Nodemailer into a Vercel Serverless Function to process contact form submissions with response latency under 1ms
- Improved SEO performance to a 100% Lighthouse score; connected Google Search Console and submitted a custom sitemap for indexing

TaskMasterAI | *Python, Flask, React, MongoDB, Express, Gemini LLM, RAG*

January 2025 – Present

- Developed a REST API using Flask and Express.js to allow our backend server running on Python and Node.js to communicate with frontend
- Implemented a RAG AI Pipeline using the Gemini LLM to use context of the UT Dallas syllabus to help decrease latency of queries down to 5ms so students can get a more seamless experience in creating study plans and flashcards
- Used JSON Web Tokens (Jwt) to create a secure way of handling OAuth and login management of TaskMasterAI

Personal Banker | *Jwt, React, Node, Express, MongoDB, OpenAI LLM*

March 2025

- Created a full stack app using the MERN tech stack to handle simulated banking transactions between users bank accounts
- Added a AI Parser feature where users can drop deposit and withdrawal receipts and used the OpenAI LLM to extract transactions and deduct or deposit accordingly
- Implemented OAuth feature using Jave Web Tokens (Jwt) to handle user authentication and authorization and store login credentials on MongoDB along with user data

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, MongoDB, JavaScript, HTML/CSS

Frameworks: React/ReactNative, Node.js, Flask, Express.js, TensorFlow, TailwindCSS

Developer Tools: Github, VS Code, Visual Studio, IntelliJ, Eclipse, PyCharm, C-Lion,

Libraries: Pandas, NumPy, Matplotlib

ADDITIONAL INFORMATION

Languages: English and Tamil

Eligibility: US Citizen, Eligible to work in the US for internships and full time with no restrictions