Tejas Raman

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

EDUCATION

University of Texas at Dallas — Dallas, TX
Bachelor of Science in Computer Science — *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

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

Web Portfolio | *React, MongoDB, Express, Node, Vercel, Figma, TailwindCSS* — May 2025
- 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

Schedgy | *React, Node.js, Express, MongoDB, JWT, Figma* — March 2025
- Designed and developed a full stack productivity app to help college students manage assignments, expenses, and visualize areas with more spending using Google Maps API
- Implemented user authentication with JWT and built secure RESTful APIs using Express and MongoDB for data storage and financial management
- Created an clean, responsive UI with React and Figma prototypes, featuring interactive modals for friendly interface and real time balance updates

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, MongoDB, JavaScript, HTML/CSS
Frameworks: React/ReactNative, Node.js, Flask, Express.js, TensorFlow, TailwindCSS
Tools: Github, VS Code, Visual Studio, Intellij, Eclipse, PyCharm, C-Lion, Figma
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