

Chinthakuntla Nithya Reddy

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EDUCATION

Masters of Science in Computer Science

Tufts University, Medford, MA

May 2025

Bachelors of Technology in Electronics and Communication Engineering

G. Narayanamma Institute of Technology and Science, Hyderabad, IN

June 2022

EXPERIENCE

Frontend Developer, Freelance

June 2024 - Aug 2024 2022, Hyderabad, India

Shilpa Architects

- Built 'Shilpa Architects' website using Next.js, featuring a highly responsive design that adapts fluidly across mobile and laptop screens. Focused on delivering a superior user experience with optimized performance and accessibility, meeting and exceeding client expectations. Integrated smooth animations and SEO best practices, resulting in faster load times.

Full-Stack Developer Intern

May 2024 - Aug 2024, Hyderabad, India

VJMSOL

- Developed a chatbot using NLP, Flask Developed and deployed an intelligent chatbot for real-time customer support and order tracking.
- Worked on grocery delivery website- DropIt with UPI, and pay-on-delivery options for seamless transactions. Developed secure user authentication and authorization systems using JWT. Managed MySQL databases for efficient data handling. Focused on security, optimizing query performance, and ensuring smooth API integrations across the stack for a user-centric experience.
- Led 5 interns by generating tasks and project management. Provided technical guidance, ensuring timely completion of tasks

Full-Stack Developer

Sept 2023 - Apr 2024, Medford, MA, USA

Tufts Jumbocode

- Developed a custom iPad web app for the Emerald Necklace Conservancy, a Boston based non-profit focused on preserving historic green spaces. Built with TypeScript, Bun, and Next.js, MongoDB, the project emphasizes accessibility, responsive design for smooth user experience, administrators and visitors

PROJECTS

ChatApp

Dec 2024

- Developed a dynamic chat application allowing users to send text messages and upload PDFs, which are then processed and summarized by an AI assistant.
- Integrated a PDF upload feature that parses and summarizes uploaded PDFs using OpenAI's GPT-3.5 API, providing users with concise content summaries.
- Built backend functionality to handle chat creation, message storage, and retrieval using Node.js, Express, and SQLite, ensuring seamless communication between the client and server.

PlayTime

Oct 2024

- Playtime is an engaging web platform showcasing a collection of fun and interactive games, including Sudoku, Wordle, Memory, Snake, Tetris, and Pac-Man. Designed with a focus on entertainment and user experience using React, Node.js, TailwindCSS

Gerp: As in Grep

Apr 2024

- Developed Gerp, a high-performance text-search tool optimized for large-scale directories (100,000+ files), utilizing a HashTable for faster searches.
- Achieved search completion times under 1 minute, with current performance at 57 seconds, offering both case-sensitive and case-insensitive searches.
- Outputs results in a clear format (directory/file/line_number: sentence), ensuring users can quickly pinpoint relevant search.

FoodSavers

Jan 2024

- Developed FoodSavers website, integrating an API for real-time calorie calculation and dynamically displaying food items based on user-entered ingredients with search results provided in under 2 seconds.
- Implemented a search feature fetching recipes from a database of 13,000+ entries using PHP and MySQL, optimizing dynamic data retrieval and backend performance.

SKILLS

Programming: C++, Java, Python, SQL

Frontend: HTML, CSS, JavaScript, React, TypeScript, Next.js, Tailwind CSS, Three.js

Backend: Node.js, Python, REST API's, PostgreSQL, MySQL, SQLite, PHP, MongoDB

Tools and Frameworks: Git, Figma, Flask, Jira, VSCode