

Deepanshu Chalia, M.S.

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Education

Southern Methodist University

Dallas, TX

Master of Science in Computer Engineering, **GPA: 3.6**

Associations: Human/ML Game Research Lab, Microcontroller Architecture & Interfacing, Digital Systems Design

Punjab Engineering College

Chandigarh, India

Bachelor of Technology in Electrical Engineering, **GPA: 3.1**

Associations: Institute of Electrical and Electronics Engineers (IEEE), High Voltage Engineering, Power Electronics

Industry Experience

The Keelworks Foundation

Dallas, TX

Software Developer

Present

- Developing an e-learning system to track course completion and streamline end-user L&D process
- Collecting and analyzing user interaction data to identify learning trends and optimize engagement strategies
- Collaborating in software implementation testing, gathering feedback to enhance system performance and ensure data accuracy

Southern Methodist University

Dallas, TX

Graduate Research Assistant

Dec 2023

- Built dashboards to synchronize user prompts using AI agents for thesis presentation under Dr. Corey Clark
- Created comprehensive training modules for AI tools enabling efficient user onboarding

J.S. Auto Private Limited

New Delhi, India

Software Engineer

Aug 2022

- Automated inventory tracking across parts and materials supply chain ecosystem, boosting data accuracy by 12% and enabling real-time forecasting to align manufacturing with incoming demand
- Accounted for delivery and manufacturing lead times, reducing delays and improving production scheduling
- Analyzed 36 months sales records to identify underlying seasonal trends and predict MOM revenue

Projects

Grocery Inventory Management

Present

- Designing food and grocery item management system to track shelf life and generate alerts for expiring items
- Incorporating AI features to categorize freshness and generate future reorder schedule
- Built an interactive UI for a seamless user experience, integrating a chatbot for real-time assistance

Cynsus: A Startup Community

Present

- Developing a platform to connect entrepreneurs with investors
- Integrating Stripe API to enable seamless subscription management and payment processing

Sports League Database

Jun 2024

- Engineered web app for sports league, supporting 500+ scheduled games for SMU college football team
- Implemented athlete stat tracking to provide overall performance ratings throughout the league.

Skills

Microsoft Excel

Data filtering, Sorting, Pivot tables, Macros, Vlookup

Programming Languages

Python, Java, JavaScript, SQL

Frontend Development

React, Next.js, React Native, Swift, Flutter

Backend Development

Node.js, Flask, Express, Spring Boot, Swift, Axios, RestAPI, Postman, Clerk, Stripe

UI/UX Tools

Material UI, Shadcn, Tailwind, Radix-UI

Cloud Infrastructure

Oracle Cloud, AWS (S3, DynamoDB), Docker, Kubernetes, CI/CD

Databases Management

MongoDB, Firebase, MySQL, PostgreSQL

Development Workflow

Gitlab, VS Code, Vercel, Agile, Scrum