

# Deepanshu Chalia

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## Industry Experience

### WorldLink US

Fullstack Developer (Part-time)

Frisco, TX

May 2025 - Aug 2025

- Developed an LLM-powered tool that enables users to generate SQL queries and insights from plain English, boosting business users with productivity and data access
- Designed and implemented LLM-powered data query tools, improving training data accessibility for AI models
- Collaborated with data scientists to refine annotation guidelines and quality checks for AI-driven analytics dashboards

### The Keelworks Foundation

Software Developer

Dallas, TX

July 2024 - May 2025

- Collaborated with designers to create e-learning tools supporting rehab goals for underprivileged groups, accelerating DE&I and fair employment
- Replaced siloed frameworks with a scalable platform, giving 500+ employees on-demand training access
- Designed automated quality checks for deployments, flagging inconsistencies before release to maintain research software reliability

### J.S. Auto Private Limited

Software Engineer

New Delhi, India

Jan 2021 - Aug 2022

- Designed an enterprise inventory dashboard for real-time tracking of automobile parts, improving demand planning accuracy and near shore sourcing optimization by 10%
- Built a scalable analytics platform with interactive visualizations, enabling employees to monitor trends and easily adapt to new vendors and product lines
- Automated weekly sales reports, reducing variability by 2.1% and accelerated quarterly earnings delivery

## Education

### Southern Methodist University

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

Dallas, TX

Aug 2022 - May 2024

Associations: Intelligent Systems and Bias lab, Integrated Circuits Design and Testing, Fondren library

### Punjab Engineering College

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

Chandigarh, India

Aug 2017 - May 2021

Associations: IEEE society, Voyagers (NPO), English Editorial Board

## Projects

Cynsus: A Startup Community

Dec 2024

- Launched a networking portal to bridge entrepreneurs and investors, driving faster collaboration
- Scalable architecture and responsive design enabled seamless subscription management and payment systems

Meeting Scheduler AI Chatbot

Oct 2024

- Automated meeting scheduling via natural language commands, eliminating manual calendar coordination
- Developed technical documentation and contributor guidelines for conversational AI model integration

Sports League Database

Jun 2024

- Centralized scheduling for 500+ college football games, ensuring real-time updates for players and coaches
- Tracked athlete performance metrics to generate actionable insights for league-wide strategy improvements

## Skills

Programming Languages	:	Python, JavaScript, SQL, Bash, C/C++
Frontend Frameworks	:	React, Tailwind CSS, MUI, Figma, Shadcn, Microsoft Power Apps
Backend Frameworks	:	Flask, Node.js, Express, Next.js, GraphQL, Docker, CI/CD, Git, Linux
APIs and Libraries	:	REST APIs, Axios, Postman, OpenAI, OpenCV, Clerk, Stripe, HuggingFace
Cloud Infrastructure & DevOps	:	AWS, Azure, Vercel
Databases & Data Management	:	PostgreSQL, MongoDB, Firebase, ETL Processes, Django