

Deepanshu Chalia

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Industry Experience

The Keelworks Foundation

Dallas, TX

Software Developer

July 2024 - Present

- Collaborating with module designers to create e-learning tools that support rehabilitation goals for underprivileged/minority groups, accelerating DE&I initiatives and promoting fair employment opportunities
- Replaced siloed frameworks with a scalable, user-friendly platform, providing on-demand access to training resources for over 500 employees
- Achieved 40% platform adoption with intuitive designs supporting transition ease for end consumers

Southern Methodist University

Dallas, TX

Research Assistant

June 2023 - Dec 2023

- Transformed complex AI model data into clear visual tools to accelerate research insights on LLMs
- Streamlined computing environments for ML projects, slashing setup time by 15% and boosting reproducibility
- Designed automated quality checks for deployments, flagging inconsistencies before release to maintain research software reliability

J.S. Auto Private Limited

New Delhi, India

Software Engineer

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

Dallas, TX

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

Aug 2022 - May 2024

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

Punjab Engineering College

Chandigarh, India

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

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
- Adapted to conversational nuances and complex requests for accurate calendar updates

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, C/C++
Frontend Frameworks	:	React, Tailwind CSS, MUI, Figma, Shadcn
Backend Frameworks	:	Next.js, Node.js, Express, Flask, GraphQL, Docker
APIs & Libraries	:	Axios, RestAPI, OpenAI, OpenCV, Postman, Clerk, Stripe, HuggingFace
Cloud Infrastructure & DevOps	:	AWS (Lambda, S3, ECS, API Gateway), CI/CD (GitHub Actions), Vercel, Git
Databases & Data Management	:	MongoDB, Firebase, PostgreSQL, Django

Interests

Animal welfare, Mandarin (普通话), Adobe Premiere Pro, Filmmaking, Badminton, Camping, Strength Training