

Harsh Dawar

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EDUCATION

Thapar Institute of Engineering and Technology,
BE in Computer Science and Engineering (CGPA: 9.33)

Patiala, PB
Expected June 2024

D.A.V. Public School,
Central Board of Secondary Education: XII (PCM) (Score: 92.0%)

Gurgaon, HR
2019-2020

D.A.V. Public School,
Central Board of Secondary Education: X (Score: 96.6%)

Gurgaon, HR
2017-2018

WORK EXPERIENCE

Maruti Suzuki India Limited,
Developer Intern (Summer Internship)

Gurgaon, HR
June 2023–July 2023

- **ASN System:** Developed a system for over 200 suppliers to effortlessly deposit their Advanced Shipping Notice (ASN) information in Maruti's on-premise infrastructure. This crucial project improved supplier communication and inventory management, improving supply chain efficiency.
- **VPN integration:** improved application security with supplier-specific credentials. This collaboration gave authorised vendors secure access to Maruti's on-premise infrastructure's vital resources, enhancing data protection and sharing.
- **Crafted an interactive and engaging frontend** for the app using HTML5, CSS, and VanillaJS. Engineered a robust ASP.NET backend alongside the team to streamline data processing and communication.

Projects

TextGenie: autocomplete suggestion system

ML Project

- Created a word-based language model that employed advanced word embeddings and an LSTM recurrent neural network. Applied natural language processing to guarantee the study's cohesiveness and context-appropriateness.
- Trained on Notable Literature: Preprocessed Plato, Shakespeare, and Melville books. This corpus taught the language model to learn linguistic structures from famous writers.
- Implemented an Interactive Text Generation Instrument that lets users enter a sentence and choose one of the three writers. The RNN predicted the following 50 words with statistical features comparable to the selected author's. This application applied language models to generate creative writing.

Expense Tracker

- Using React.js, designed an interactive expense tracker. The app's intuitive interface for adding, amending, and removing charges aided users in managing their expenses.
- Utilised browser localStorage to persist the user's cost list locally between sessions.
- Offers a succinct overview of user expenditures. By filtering expenses by year and displaying their month-to-month fluctuations in the selected year, consumers can better recognise their spending patterns

LEADERSHIP EXPERIENCE

Thapar Derabassi Toastmasters Club,
Core Member

Dera Bassi, PB
Jan 2021-Dec 2021

- Streamlined the candidate selection procedure, leading to a 30% increase in productivity, by creating a standardised form to capture vital information about candidate skills, communication, and leadership.
- Led the interview process, assuring seamless coordination with the core team, which minimised interview turnaround time by 35%. Tracked and measured interview time slots and candidate availability, optimising productivity.
- Conducted interviews with 80 finalists using a comprehensive evaluation rubric and a data-driven approach to evaluate public speaking, reasoning, and collaboration abilities.

SKILLS

Frontend Web Development: HTML5, CSS 3, Tailwind CSS, React.js, Next.js, Typescript

Databases: MySQL, PL/SQL

Cloud: Amazon AWS (EC2, S3, ELB, ASG, CloudFront, Route 53, Amplify, DynamoDB, and Lambda)

Programming Languages: C++, Python, Javascript, Typescript

AWARDS

Merit Scholar and Silver Medalist: Earned a scholarship and a silver medal for academic excellence in 2021–2022.

1st Place, Makeaton 5.0: We won the MLSC TIET competition with a problem statement to verify 3D model plagiarism.

3rd Place MUJ ACM SIGBED: propose a voice-activated smart wristband for emergency contact, faster response, and user safety.