

Lavish Gurjar

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EDUCATION

Dr B R Ambedkar National Institute of Technology, Jalandhar

B.Tech (Information Technology)

Jalandhar, Punjab

Graduation Date - June, 2025

- CGPA – 8.81

WORK EXPERIENCE

IIT Mandi

Research Intern

Mandi, Himachal Pradesh

June 2024 – Present

- Conducted advanced research in KGQA with GNN and RAG, boosting model accuracy.
- Developed and optimized the GNN-RAG framework for superior performance.
- Employed REAREV for relevance tuning and integrated Graph LIME to enhance feature prediction.
- Achieved top results in model evaluations using Hit, Hits@1, and F1 scores.
- Integrated SBERT and LSMR to enhance semantic alignment of answers.
- Studied and analysed technical reports and academic papers to support research.
- Presented innovative research outcomes, influencing future directions.

PERSONAL PROJECTS

College-Dispensary ([Source Code](#))

Dec, 2023

- Created a comprehensive Medical Management System for college dispensaries using Node.js, Express, and MongoDB. Key features include user authentication with Passport.js, prescription management with encryption, appointment booking, feedback submission, and file uploads with Multer. Integrated a disease prediction module using Python. Technologies used: Node.js, Express, MongoDB, Passport.js, Multer, Python, and EJS.

Alternative Train Station Finder ([Source code](#))

June, 2024

- Developed a responsive web application to find alternative boarding and destination stations for confirmed train tickets using HTML, CSS, Bootstrap 4, and JavaScript. Implemented features such as train number input, alternative station search along the train route, and display of availability status. Utilized Node.js, Express.js, and Axios for backend processing and API communication.

Rent The Room ([Source code](#))

July, 2024

Deployed version

- Developed a responsive web application for listing, searching, and managing rental rooms using HTML, CSS, JavaScript, Node.js, Express.js, and MongoDB. Implemented user authentication, session management, and image uploads with GridFS. Successfully deployed, enhancing user experience in managing rental listings.

TECHNICAL SKILLS

Programming Languages: C, C++, Python

Soft Skills: Problem Solving, Communication, Leadership

Web Development: HTML, CSS, JavaScript, EJS

Backend Development: NodeJS, ExpressJS

Databases: MongoDB, MySQL

ML library: Jupyter, NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow

ACADEMICS

Courses: Object-Oriented Programming, Java Programming, Mobile Application Development, Data Structures & Algorithms, Operating Systems, Database Management Systems, Machine Learning, Data Analytics, Neural Networks