

TANUJ MANN

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SKILLS

- **Languages:** C++, Python, Java
- **Tools/Platforms:** Vs Code, GitHub, AWS, Power Bi
- **Core CS Fundamentals:** DBMS, OS, OOPs, Computer Networks
- **Database:** MongoDB, MySQL, Postgres SQL
- **Soft Skills:** Critical Thinking, Time Management, Leadership

PROJECTS

DSA World — Mario-Themed DSA Learning Platform | [GITHUB](#) Mar 26

- Built a Mario-themed interactive DSA learning platform from scratch with real-time visualizations.
- Implemented 11+ data structures (AVL Tree, Heap, Trie, Hash Map, Dijkstra) with dynamic rendering.
- Integrated AI-powered Code Generator and DSA Chatbot using Claude API.
- Designed 20-question quiz system with streak-based scoring and performance tracking.
- Engineered AVL self-balancing tree with multiple rotations and dynamic SVG visualization.
- **Tech Stack:** C++17 · HTML5 · CSS3 · Vanilla JavaScript · SVG DOM · Claude AI API · Vercel

Dev Guard Ai Code Reviewer | [GITHUB](#) Mar 26

- Developed an AI-powered VS Code extension for static code analysis and automated issue detection.
- Built AST-based analysis engine to identify bugs, security vulnerabilities, and performance anti-patterns.
- Implemented code quality scoring system (A–D grading) to standardize code evaluation.
- Integrated Fast-API backend for efficient and scalable processing of code analysis requests.
- Published and maintained extension on Visual Studio Marketplace for developer usage.
- **Tech Stack:** Python · Fast-API · AST (Abstract Syntax Tree) · VS Code Extension API · JavaScript

Zomato Sales Dashboard | [GITHUB](#) Jul 25

- Built an interactive Power BI dashboard to analyze Zomato's city-wise sales, user behavior, and order trends.
- Transformed raw data into actionable insights using advanced DAX calculations and data modelling.
- Visualized key metrics like total sales (987M+), orders (150K), users (78K), and yearly growth trends.
- Created dynamic comparisons such as new vs lost customers and sales distribution analysis.
- Enhanced user experience with custom UI/UX elements like navigation, icons, and interactive filters.
- **Tech Stack:** Power BI · DAX · Data Modeling · Data Visualization · Data Cleaning · UI/UX Design

TRAINING

LPU Skills (LPU Platform) Jun 2025 - Jul 2025

- Performed Exploratory Data Analysis using NumPy and Pandas, leading to a 20% reduction in data preprocessing time.
- Developed, trained, and evaluated various Machine Learning models, including Linear Regression, KNN, SVM, Decision Trees, K-Means, and Ensemble Methods using Scikit-learn, achieving an average accuracy improvement of 15%
- Employed feature engineering techniques to enhance model performance by 25% for predictive analysis.

CERTIFICATES

- Master Generative AI & Generative AI tools | Infosys | [LINK](#) Aug 25
- Hands On Approach on Data Science | LPU Skills | [LINK](#) Jul 25
- Privacy and Security in Online Social Media | NPTEL | [LINK](#) Apr 25
- The Bits and Bytes of Computer Networking | Google | [LINK](#) Sep 24

ACHIEVEMENTS

- Solved 100+ DSA problems on GfG, improving problem-solving accuracy Jul 25
- Solved 100+ DSA problems on Leet Code, improving problem-solving accuracy Jan 25

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology – Computer Science and Engineering: CGPA: 8.1 2023 - Present
- **The Gurukul Nilokheri** Karnal, Haryana
Intermediate; Percentage: 91% Apr 2022 – Mar 2023
- **SBS Public School** Karnal, Haryana
Matriculation; Percentage: 85% Apr 2020 – Mar 2021