

Jay Kadam

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Education

- H.S.C (PCMB) 62% | S.S.C 85.27%
- Computer Engineering | CGPA 8.0 | International Institute of Information Technology (I²IT)

Skills

- **Languages:** Java, HTML, CSS, JavaScript (Node Js, Browser), SQL, PL/SQL, Python
- **Tools:** IntelliJ IDEA, Vs Code, Jupyter Notebooks, Kafka
- **Frameworks:** Express Js
- **Version control Tool:** Git
- **Databases:** MySQL, MongoDB

Experience

Machine Learning Intern

AWS Academy | Jan 2025 – Mar 2025

- Implemented ML workflows: data preprocessing, model training, evaluation, and cloud deployment.
- Developed and tested models using Python, Scikit-learn, and TensorFlow in Jupyter Notebooks.
- Worked on concepts like supervised/unsupervised learning, linear regression, classification, and deep learning.
- Gained experience with cloud-based development, versioning, and scalable model deployment in AWS.

Projects

Telephone Billing System | [GitHub](#) - Full-Stack Web App

Technologies: Node.js, Express, MySQL, Bootstrap

- Developed a comprehensive telephone billing management system featuring customer management, call logging, tariff plan administration, bill generation, and payment processing.
- Designed and implemented a normalized MySQL relational database schema encompassing Customer, CallLogs, TariffPlan, Bill, and Payment tables with primary and foreign key constraints to ensure data integrity and relationships.
- Created complex SQL tables and relationships supporting automated billing calculations based on call duration, call type, and dynamic tariff rates.
- Developed backend APIs using Node.js/Express connecting to MySQL for CRUD operations and real-time data processing of customer usage, billing, and payments.
- Ensured database consistency and accuracy through enforced foreign keys and unique constraints (e.g., unique phone numbers, emails).

WANDERLUST – Full Stack Travel Accommodation Platform | [GitHub](#)

Technologies Used: Node.js, Express.js, MongoDB, Mongoose ODM, Passport.js, Cloudinary, EJS, Bootstrap, JavaScript, HTML5, CSS3

- Developed a travel accommodation web application similar to Airbnb using Node.js, Express.js, and MongoDB
- Implemented secure user authentication and authorization system using Passport.js with session management and password hashing
- Created responsive user interface using EJS templating, Bootstrap CSS, and JavaScript with mobile-first design approach
- Implemented comprehensive security features including Joi schema validation, custom middleware, and error handling
- Developed RESTful API architecture following MVC pattern with modular route organization and controller functions
- Key Features: User authentication, property listing management, image upload, review system, responsive design, session management

Smart Packaging Recommender System – Sustainable Packaging Tool | [GitHub](#)

Technologies Used: Python, Tkinter, Pandas, Matplotlib, CSV

- Engineered a GUI-based decision-support tool for recommending eco-friendly packaging.
- Executed multi-criteria analysis using weighted metrics like Cost, Durability, Environmental Impact, and Reusability.
- Enabled real-time scoring and comparison using Pandas and Matplotlib visualizations.
- Structured a configurable, data-driven backend with CSV support for scalability.

Achievements

- Published scholarly article: "Use of Artificial Intelligence," International Journal of Emerging Technologies and Innovative Research (JETIR), Vol.10, Issue 7, July 2023 (ISSN: 2349-5162).
- Smart India Hackathon 2024,2025
- IEEE Hackathon participant – 2025
- Odoo Hackathon Participant – 2025
- Fusion Hackathon 2025

Certifications

- **DSA in Java:** Strengthened problem-solving and algorithmic skills using Java.
- **Agile Software Development:** Gained expertise in Agile methodologies.
- **MERN stack Development**