

Karthikraman Balamurugan

B.Tech* ICT

ABOUT ME

Third-year undergraduate student at Dhirubhai Ambani Institute of Information and Communication Technology, pursuing ICT course . Passionate programmer with a drive for continuous learning and knowledge sharing. I always like to share my knowledge with everyone.

PROJECTS

House Price Prediction Model (2024)

Developed a Streamlit-based California House Price Prediction web application using machine learning algorithms. Implemented interactive data visualization with Plotly and feature importance analysis for accurate real estate valuation. The application provides comprehensive price predictions with location-based insights and detailed analysis.

Code Snippet Manager (2023)

Developed a C++-based Code Snippet Manager application that streamlines code organization and retrieval. Implemented advanced features including CRUD operations for code snippets, tag-based search, and an inverted index for fast lookup. Used STL maps for data handling and integrated file system storage for persistence.

Coding Platform Database (2025)

Developed a collaborative coding platform connecting developers globally. Built a PostgreSQL database system with features for user management, social networking, and competitive programming. Implemented secure authentication, real-time leaderboards, and a rating system to track developer progress and rankings.

EDUCATION

B.Tech of Information and Communication Technology

Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT)

2023 - 2027, Gandhinagar

Grade 10, 12 (93% in 10th and 86.8% in 12th)

Asian International (P) School

2021 - 2023, Ruwais, Abudhabi

ADDITIONAL RESPONSIBILITIES

Hackout Coding Event (Intra college), Rural Internships, AI Club in DAIICT and Electronic Hobby Center member (DAIICT EHC)

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Al Dhanna City, Abudhabi,
UAE

Industry Knowledge

XGBoost
Regression model
Numpy, Pandas, Sklearn
C++
Typescript/Javascript
DSA
PostgreSQL , SQL

Tools & Technologies

Figma, Sketch, React,
Canvas, Streamlit

Other Skills

HTML, CSS

Languages

English (professionnal)
Hindi & Tamil (native)

Social

karthikraman.in
[linkedin.com/in/](https://linkedin.com/in/karthikramanbalamurugan)
github.com/karthikraman30
leetcode.com/u/kart2006

Contact Card

