KINJAL BHAVESHBHAI MISTRY

BTech in Computer Engineering (2022-2026)

Codeforces: Kinjal_Mistry(Pupil - 1219 max)
Codechef: Kinjal_Mistry(3★★★ 1625 max)
LeetCode: Kinjal_Mistry(Knight - 1940 max)
GeeksForGeeks: Kinjal_Mistry(4★★★★1861 max)
Coding Ninjas: Kinjal_Mistry(Specialist - 2056 max)
Atcoder: Kinjal_Mistry(7 Kyu 783 max)

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PROJECTS

Online E-Voting System (MERN Stack + ML) : SourceCode

- **Tech: React.js, Node.js, MongoDB, Express.js, TensorFlow, JWT, Stripe API, OCR, YOLO, SendGrid API**
- Web-based e-voting platform using the **MERN stack** (MongoDB, Express.js, React.js, Node.js) with **machine learning integration** for voter and candidate verification through facial recognition and document validation. Implemented role-based features for admins, voters, and candidates, including real-time voting, campaign management, secure authentication (JWT), Stripe payment gateway, and email notifications. Integrated **TensorFlow/Keras** and **OCR** for ML-based verification.

MERN Stack MusicApp (Web) : Source Code

- **Tech : MongoDb, Express.js, React, Node.js, Firebase, JSX, Axios**
- This is a full-stack music streaming application developed using **the MERN stack with Firebase** integration for **database and user authentication.** The application supports two user roles: Admin and Simple User. Admins can create artists, albums, and songs, manage users by changing their roles, or delete users. Simple users can play songs, adjust the volume, and filter tracks based on different criteria.

8085 Microprocessor Simulator (C++) :Source Code

- **Tech: C++, Assembly, Standard Library Template (STL)**
- Simulated the execution of 8085 microprocessor instructions using C++. Developed a command-line tool that parses and executes assembly instructions like MOV, MVI, LDA, ADD, CMP, etc. Simulates register operations, memory management, and flag behavior (Z, C, S, AC, P). Reads instructions from a file and provides step-by-step updates of register and memory states for educational and debugging purposes.

eCommerceASP.NET_CORE: Source Code

- **Tech: ASP.NET Core MVC, Entity Framework Core, SQL Server, Bootstrap 5, SendGrid, Stripe, ASP.NET Core Identity**
- This project is a web-based eCommerce platform built using **ASP.NET Core MVC with Entity Framework (EF) Core for database management**. The system offers robust user role management, including admin,producers and consumers, each with specific functionalities. The platform supports product management, user profile handling, and order management workflows with **CRUD operations across all roles.**

SKILLS

- **Core Skills :**
  - **Competitive Programming, OOP, DBMS , Operating System, Computer Networks**
- **Programming Languages :**
  - C++, C#, **Java**, **Python** , **JavaScript**
- **Database :**
  - **MySQL,DB server , MongoDb, Firebase**
- **Web & Software Development:**
  - **Node js, React js, Asp.Net, Express, Spring, Spring boot, Spring MVC**
- **Tools:**
  - PostMan, Swagger

Education

Secondary School Certificate (SSC) (2020)
Percentile: 99.81%

Higher Secondary Certificate (HSC) (2022)
Percentile: 99.67%

B.Tech. CE- Dharmsinh Desai University
- 2022-2026|Nadiad
- **CGPA : 8.45 / 10.0**

ACHIEVEMENTS

Rank 71, Coding Ninjas Weekly Contest 143

Global Rank 1976, in Atcoder Beginner 361

Global Rank 183, in Codechef Staters 134

Global Rank 384, in LeetCode Weekly Contest 414

Rank 245, in Geeks for Geeks Weekly Contest 163

GlobalRank 2611, in Codeforces Round 996

WORK EXPERIENCE

Intern at Tech Elecon Pvt. Ltd.
Vallabh Vidhyanagar, Gujarat, May 2024 – June 2024

Worked on two key projects involving computer vision and full-stack development:

Human Face Detection using YOLOv8(Source Code):
- **Tech: Python, OpenCV, PyTorch, Ultralytics YOLOv8, Pandas, Matplotlib**

Built a real-time human face detection system using the YOLOv8 object detection framework. Preprocessed and annotated datasets with bounding boxes, trained and evaluated the model and visualized predictions and performance metrics. Exported trained models for deployment-ready inference.

Aadhaar Data Extraction System (Flask + React)(Source Code):
- **Tech: Flask, React.js, EasyOCR, OpenCV, MongoDB, Python, JavaScript**

Built a full-stack system for Aadhaar verification using OCR (EasyOCR) and CLAHE for image enhancement. Enabled data extraction, duplicate detection with MongoDB, and developed a REST API with a React frontend for image uploads.