



# Himanshu Garg

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## Education

### K.J. Somaiya College of Engineering

B.Tech in Computer Engineering (Honours in Data Science and Analytics)

2022 – 2026

CGPI: 9.6 (1st Yr), 9.8 (2nd Yr)

9.5 (3rd Yr)

## Professional Experience

### Engineering Intern - ConnectWise

June 2025 - July 2025

- Built RESTful APIs using **Go** and **GoFiber** to facilitate seamless data transfer between internal repositories for the ASIO's Backup Dashboard.
- Used **gqlgen** to build a GraphQL layer integrating data from multiple sources with filtering, sorting, and pagination.
- Maintained high code quality by implementing unit tests with **GoMock**.

### Data Science Intern - KJSCE

July 2024 - December 2024

- Built and trained a **Convolutional Neural Network (CNN)** model using **TensorFlow** for disease detection.
- Collected, cleaned, and prepared dataset for efficient model training and testing.
- Integrated the trained CNN model into a **mobile and web-based application** for real-time predictions.
- Drafted and presented a **research paper** at the ICTEAH 2025 conference showcasing the model's performance.

## Projects

- **Health Insurance Data ETL Pipeline** [GitHub](#):
  - Developed an end-to-end **ETL pipeline** that automatically downloaded insurance datasets from Kaggle, cleaned and transformed them using **Pandas**, and loaded the processed data into a **SQLite database** for efficient querying.
  - Improved data reliability by removing duplicates, filling missing values, standardizing text columns, and engineering new features such as **BMI category** and **senior citizen flag** to enable richer analysis.
  - **Tools Technologies Used**: Python, Pandas, SQLite, Prefect (workflow automation), KaggleHub, SQL for validation.
- **AI-Powered Quiz Generator & Scheduler (Quizzify)** [GitHub](#):
  - Developed a full-stack AI-powered quiz platform that generates quizzes from user-provided topics or uploaded material, incorporating Bloom's Taxonomy-based difficulty levels and AI-based auto-checking.
  - Implemented multiple question types, automated scheduling, and seamless distribution via the Google Forms API.
  - Built using **React**, **Node.js**, **Firebase**, **Gemini API**, ensuring a scalable, secure, and responsive system.
- **Official Event Website – Dreamz Nexus 2K25** [Live Website](#):
  - Developed the official website for Dreamz Nexus 2K25 using **React** and **Tailwind CSS**, creating a modern, responsive, and visually engaging interface for large-scale student participation.
  - Implemented secure **Google Authentication** using **Firebase Auth**, enabling streamlined student login and controlled event access.
  - Built a complete **event registration system** using **Firebase Firestore**, supporting real-time registrations, structured data storage, and smooth coordination by event organizers.
  - **Technologies Used**: React, Tailwind CSS, Firebase Auth, Firebase Firestore, Vite.

## Skills

- **Languages**: C, C++, Python, Go, JavaScript, Java
- **Frameworks & Tools**: React.js, Node.js, Flask, GraphQL, Tailwind CSS, MongoDB, Firebase
- **ML & Data Science**: NumPy, Pandas, Scikit-learn, TensorFlow, Keras
- **DevOps**: Git, GitHub, Jenkins, Docker, GitHub Actions, Kubernetes

## Certifications

- **AWS Cloud Technical Essentials**: [Credentials](#)
- **Full Stack Web Development with React and Node**: [Credentials](#)

- **Django Features and Libraries:** [Credentials](#)
- **Accenture North America – Data Analytics and Visualization Job Simulation:** [Credentials](#)
- **Accenture Data Science and Visualization:** [Credentials](#)

## Additional Information

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- **Allianz Tech Championship Winner 2024:** Ideated a Generative AI app for elderly individuals, featuring medication and appointment reminders via WhatsApp, AI chatbot with loved ones' personalized voices, entertainment (games, news), meal suggestions, calorie counters, fitness band integration, and emergency contact features.
- **Amazon ML Challenge 2024 — Top 300 Rank:** Secured a top-300 national rank in Amazon's machine learning competition, demonstrating strong applied ML and problem-solving skills.
- **Worked in College Societies:** Contributed to PUSH (People United for Student Help) by organizing initiatives to provide financial assistance to students, and Emfinity, the official Maths club of KJSCE, by organizing 4 events with 500+ student participation.