

NEEL VAGHASIYA

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EDUCATION

Dharmsinh Desai University

Bachelor of Technology (B.Tech) in Information Technology - 8.75 CGPA

Nadiad, Gujarat, India

October 2021 - May 2025

TECHNICAL SKILLS

Programming Languages: Java, C, C++, JavaScript, TypeScript, Python

Web Development: Spring MVC, Spring Boot, HTML, CSS, JavaScript frameworks (ReactJS, NextJS, NodeJS), Svelte

Basic Data Analysis and ML Techniques

Tools & Technologies: Android Development, VCSs (Git), Databases (MySQL, PostgreSQL, MongoDB), Basic Cloud Computing

SOFT SKILLS

Adaptability, Flexibility, Time management, Teamwork, Problem-solving

PROJECTS

QuizBee | AI-based Quiz Generation using ChatGPT

[GitHub](#) | [Demo](#)

Implemented an innovative quiz generation system powered by ChatGPT, allowing users to specify topics, question types, and difficulty levels. The system generates quizzes for self-assessment and sharing purposes.

- **Tech Stack:** ChatGPT-3.5-turbo LLM, NextJS for Frontend and Backend

Project Tracker | Project Management System for Mentors

[GitHub](#) | [Demo](#)

Developed a project management system that provides two roles: Admin and Mentor. Mentors can manage projects, while admins can manage users and projects, along with search, sort, and JWT token-based authentication functionalities.

- **Tech Stack:** ReactJS for Frontend (deployed on Vercel) and Spring Boot for Backend (deployed on Amazon EC2).

Vision Transformer (ViT) | Image Classification with CIFAR-10 Dataset

[GitHub](#)

Developed an image classifier using Vision Transformer (ViT) on CIFAR-10 dataset. Explored ViT's effectiveness compared to traditional CNNs.

- **Tech Stack:** Python(TensorFlow library).

RESEARCH WORK

- Explored the use of AI tools to automate quiz creation and assessment. Contributed to the development of QuizBee, an innovative platform for quiz generation with AI integration. The research paper is currently under review and has not been published yet.

ACHIEVEMENTS

1st Place in AI-ML Section Research Poster Presentation

March 01, 2024

- Secured 1st place in the AI-ML section research poster presentation at ICON-GTSD-2.0 International Conference held at Dharmsinh Desai University. [Insights](#)

CERTIFICATIONS

AWS Academy Cloud Foundations Course

Issued on: January 04, 2024

- Completed the AWS Academy Cloud Foundations course, gaining fundamental knowledge of cloud. [Digital Badge](#)

EXTRACURRICULAR ACTIVITIES

Samvaad - Communication club of Dharmsinh Desai University

Contributed as Associate Graphic Designer.

Contributing as Head of Graphic Designing team.

August 2022 - July 2023

July 2023 - Present