Viraj Prajapati

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Surat, Gujarat - 395004, India

OBJECTIVE

Seeking a challenging position in software development and machine learning engineering to leverage my expertise in full stack development (React JS, Node JS, Next JS) and machine learning, specifically in natural language processing (NLP) and recommendation systems. Aiming to contribute to innovative projects and practical problem-solving in web and application development, as well as data-driven solutions.

EXPERIENCE

Codage Habitation LLP [)

Jan 2023 - Dec 2023 Ahmedabad, India

Software Development Intern

- Leveraged React and Next.js to build responsive and dynamic web applications, enhancing user experience and performance.
- Developed RESTful APIs using Node.js, ensuring efficient data handling and integration with frontend components.

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT)

July 2023 - April 2025 Gandhinagar, India

M.Tech - ICT o CGPA: 8.13

Gujarat Technological University (GECP)

B.E - CSE

o CGPA: 8.05

July 2019 - April 2023 Patan, India

Shree Swaminarayan Gurukul Eng Med School (SSGV)

GHSEB

July 2017 - April 2019 Surat, India

• Percentage: 70%

PROJECTS

GitFix: Web Application

April 2023 - Present

Tools: Next.js, React Redux, Firebase, GitHub Octokit REST API

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- Developed a GitHub repository management application using GitHub Octokit REST API to efficiently organize and track issues.
- Implemented a structured approach to managing repository issues, enhancing workflow and team collaboration.
- Created a seamless interface for handling repository tasks and issue tracking using the GitHub Octokit API.

AgriLeaf: Agricultural Crop Disease Identification and Solution Platform

August 2024 - Present

Tools: Next.js, Python, FASTApi, Machine Learning, LLM, Firebase

- Developed a web application using Next.js, Python, and FASTApi, enabling farmers to upload crop images, automatically identify diseases, and receive detailed solutions.
- Developed and Integrated machine learning models and LLMs to accurately diagnose crop diseases and provide actionable guidance for treatment and prevention.
- Utilized Firebase for real-time data storage and user authentication, ensuring a seamless and secure experience for farmers.

• Ranking and Analyzing Social Media Influencers (Research)

Jan 2024 - Present

Tools: Machine Learning(IR, NLP, Recommendation System)

- Developed a system to recommend micro-influencers for brands by leveraging detailed insights from both brand and influencer profiles.
- Scraped Instagram data, analyzing images and text from 210 micro-influencers across 10 distinct categories.
- · Utilized machine learning techniques to analyze captions, comments, and images from influencer posts.

CollabNET: Database Management System

March 2022

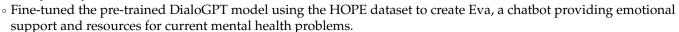
Tools: PostgresQL, SQL



- Developed an ER diagram to model the complex relationships and entities within a company's employee management system, including departments, teams, projects, policies, events, and resources.
- Managed the integration of various components like employee records, project tracking, policy management, and event scheduling, enhancing the system's ability to handle diverse HR functions.

• Icare24x7 Oct 2024 - Present

Tools: Python, Pytorch, DialoGPT



• Integrated reinforcement learning agents to enhance user interactions, allowing the chatbot to adapt and improve responses based on user feedback.

Review Disagreement with contradiction Analyzer

Sept 2024 - Present

Tools: Python, Pytorch, BERT/T5



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- Developed a novel approach to detect contradictions and disagreements in reviewer comments using the DISAPERE dataset, which includes a diverse collection of product reviews.
- Employed advanced natural language processing techniques to analyze sentiment and identify conflicting opinions among reviewers, enhancing the understanding of sentiment dynamics.

• TextSum Pro: Text Summarization System

Nov 2024

Tools: Python, Pytorch, BERT/T5



- Developed a state-of-the-art text summarization system featuring both a custom-built encoder-decoder model and a fine-tuned pre-trained model, significantly enhancing summarization accuracy and coherence.
- Utilized the CNN/Daily Mail dataset, which contains over 300,000 diverse news articles and corresponding summaries, to effectively train and validate the models.

SKILLS

- Programming Languages: C, C++, Python, Javascript, Java
- Web Technologies: React JS, Next JS, Gatsby JS, Node JS, Tailwind CSS
- Database Systems: PostgresQL, MySQL
- Data Science & Machine Learning: TensorFlow, Pytorch, Numpy, Pandas, Scikit-learn
- Cloud Technologies: AWS Cloud, Google Cloud
- DevOps & Version Control: Github, BitBucket
- Specialized Area: NLP, Machine Learning, Software Development
- Research Skills: Data Collection & Analysis, Experimental Design, Quantitative & Qualitative Methods

ACHIVEMENTS

Competition Achievement

Aug 2024

HackOut'24, Synapse DAIICT

Achieved 11th place out of 400+ teams

• Competitive Programming

Platforms: Codeforces, Codechef, Leetcode

• *Codeforces*: 1050+ ratings

• CodeChef: 1200+ ratings

• *LeetcodeContest*: 1450+ ratings

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