

KARAN SHAH

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Education

Nirma University

B.Tech in Computer Science and Engineering

Jun 2020 – May 2024

7.72 CGPA

Experience

Tata Consultancy Services (TCS)

Fullstack Engineer

Nov 2024 – Present

Gandhinagar, India

- Developing and maintaining scalable web applications with a focus on both front-end and back-end functionalities.
- Building robust APIs and microservices using Springboot and integrating them with databases like MySQL.

Kavayahcloud PVT LTD.

Software Engineer Intern

Jan 2024 – Oct 2024

Gandhinagar, India

- * Created user interactive dashboard and screens with API integration to improve user experience.
- * Tech stack: OutSystems platform, MS SQL Server

Civic Infotech

Software Engineer Intern

June 2023 – July 2023

Ahmedabad, India

- * Developed a procurement portal in which a user company can make a tender, update the tender, the bidder can bid for the tender, and update the tender before the auction and get updates related to tender and auction.
- * Technologies like React JS, Tailwind CSS, Node JS, and MS SQL Server are used.

Projects

Fashion semantic search | NLP, ML, Web scrapping

May 2023

- * Created web scrapping algorithm that extracts JSON data from 10000+ fashion items from top sites.
- * Developed a site and used **BERT** transformer that gives results based on search fashion items from extracted data with average **accuracy of 60%**.

Network Path Optimiser | C++, DSA

Nov 2022

- * Optimizing data flow with Dinic's algorithm for maximum efficiency and implementing Dijkstra's algorithm for minimum time routing, achieving data flow management and rapid route selection.

Pulsar Star Recognition | Python, ML

Nov 2022

- * Implemented various algorithms like Decision tree, Naive Bayes and SVM for classification of data related pulsar star
- * Various data processing applied and comparison of ML algorithms for given dataset and achieved **97.8% accuracy**.

Whatapp Chat analyser | Python, NLP

May 2022

- * Designed chat analyser using Python to analyse chat based on time and person
- * Programmed sentiment analysis using NLTK library of NLP for finding different users' sentiment based on chats

Technical Skills

Languages: Python, Java, C++, HTML/CSS, SQL

Developer Tools: VS Code, Android Studio

Technologies/Frameworks: GitHub, Linux, Springboot

Relevant Coursework

- | | | |
|--------------------|-----------------------|--------------|
| • Data Structures | • Database Management | • Algorithms |
| • Operating System | • Machine Learning | • OOPs |

Achievement

- Solved 1000+ coding problems
- Qualified for Facebook Hackercup 2022
- Ranked 1541 out of 21000+ coders in Leetcode weekly contest
- Achieved Top 10 rank in the Code Uncode programming competition

Leadership / Extracurricular

Association of Computer Engineering Students (ACES)

Nov 2022 – Nov 2023

Managing Director

Nirma University

- * Managed executive board of 28 members and conducted meetings to oversee progress in essential parts of different events.
- * Lead various events like orientation, Research Guidance related seminars, etc.