

SAI NIKHIL GUPTA VANAPARTHY

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EDUCATION

Master of Science in Computer Engineering

Aug 2022 - May 2024

San Jose State University, San Jose, CA.

Bachelor of Technology in Electronics and Communication Engineering

Aug 2017 - Jul 2021

CVR College Of Engineering, Hyderabad, India.

RELATED COURSEWORK

Data Structures and Algorithms, Programming using Java, Python and C, Database Management Systems, Machine Learning, Operating Systems, Object Oriented Programming, Software Quality Assurance and Testing.

TECHNICAL SKILLS

Languages

Java, Python, C, SQL

Web Technologies

HTML, CSS, JavaScript, TypeScript

Frameworks and Tools

React, Django, Node.js, Spring, Spring Boot, Flask, AWS, GCP, MATLAB, Git, Jenkins, Bootstrap, Docker, Kubernetes

Data Science and Machine Learning

Pandas, TensorFlow, PyTorch, SciPy, NumPy

Networking

REST API, SOAP API, HTTP

Database

PostgreSQL, Oracle, MySQL, MongoDB

WORK EXPERIENCE

Application Development Associate, Accenture, India

Jul 2021 - Jul 2022

- Collaborated with a team of developers to enhance a bank website's functionality and user experience, contributing to improvements in site reliability.
- Leveraged Java and Java Spring to create and maintain backend infrastructure of websites, ensuring seamless data processing, robust server-side functionality, and high-performance operations.
- Demonstrated expertise in REST API and SOAP API integration, crafting 60+ detailed use cases aligned with client requirements, ensuring effective communication between systems.
- Initiated and leveraged a range of web technologies, including HTML, CSS, JavaScript, React, Node, and TypeScript, to enhance website's frontend, ensuring a seamless user experience.
- Coordinated seamlessly across teams to design and integrate functionalities, improving overall system performance.

PROJECTS

JobEasy

Sep 2023

- Pioneered development of a machine learning model to predict personality traits of job applicants based on resumes.
- Utilized NLP techniques to distill personality traits from resumes, while managing team dynamics to optimize collaboration and project success.
- Designed and implemented a web application allowing users to upload resumes and receive a predicted personality profile and jobs according to user's profile.
- Created a user-friendly web application with a responsive TypeScript front-end, powered by a high-performance Flask back-end, and efficiently managed data using PostgreSQL.

Ecommerce Platform

Mar 2023

- Built a full-stack website to allow users to buy and sell various products, also included a payment gateway for processing payments.
- Implemented features such as user accounts, shopping cart, checkout, and product management using JavaScript, MySQL, HTML, CSS.

DevConnector

Jan 2023

- Constructed a full-stack social network app leveraging Node.js, Express, React, Redux, and MongoDB.
- Devised an extensive backend API with JSON Web Tokens for route protection.
- Integrated React with backend for a seamless workflow, operating Redux for state management, and deployed app to Heroku with modern practices.

Image Classification Using Deep Learning

Apr 2021

- Proactively designed and executed a comparative study of CNN, ANN, KNN algorithms, leading to a high-precision image classification model.
- Guided a team to preprocess 50K images in 10 classes, achieving 96% accuracy, demonstrating leadership and teamwork.