

Sanket Nadkarni

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Objective:-

Eager Computer Science student specializing in frontend development, seeking a remote Frontend Developer Internship. Passionate about employing my React.js, JavaScript, CSS, and HTML skills to contribute to innovative UI/UX design and development.

Work Experience:-

Proxima Systems

November 2020 - July 2023

Software Developer

- Led the design, development, and maintenance of a comprehensive educational portal.
- Focused on enhancing user experience, particularly for students and educators, by introducing interactive features and user-friendly interfaces.
- Designed and developed over 50 GraphQL APIs using MolecularJS, a progressive microservices framework for Node.js, leveraging TypeScript for type safety and maintainability.
- Collaborated closely with frontend teams to implement React.js components, ensuring seamless integration and high performance.
- Advanced frontend development skills by optimizing React components for performance and maintainability.
- Customized GraphQL schemas and resolvers to meet specific data requirements, providing flexibility in data fetching.
- Leveraged Node.js for its efficient handling of asynchronous operations and scalability in handling numerous API requests.
- Focused on optimizing API performance and response times, resulting in seamless data integration and improved application functionality.
- Collaborated with frontend developers to ensure smooth implementation of GraphQL queries and mutations in the application’s user interface.
- Designed and implemented a PostgreSQL database to handle complex business logic.
- Integrated Micro ORM for object-relational mapping, which streamlined database operations and maintained data integrity.
- Spearheaded the integration of Azure DevOps into the development workflow.
- Advanced the Continuous Integration/Continuous Deployment (CI/CD) processes, significantly reducing deployment times and increasing release frequency.

Education

Master's in Computer Science August 2023 - May 2025

Old Dominion University at Norfolk, VA, USA

- Operating Systems,
- Web Programming
- Foundations of Computing,
- Data Science, ,
- Algorithms and Data Structures,
- Data Visualization

Key Skills

- **Languages/Databases:** Typescript,Python, C/C++, Java, JavaScript,TailwindCss
- **Tools/Software:** NodeJs,NestJs, ReactJs,NextJs, Apollo GraphQL, Restful API’s,Strapi, Azure Cloud, Microservices, Micro Orm, MolecularJs, Postgresql, Django, Git,Tableau, Advanced Excel, MySQL,Git/GitHub, TensorFlow, PyTorch, NLTK
- **Functional Skills:** Full-Stack Development, Data Visualization, Agile Methodology, Data Cleaning, Data Mining, Machine Learning, OOPs Concepts
- **Additional Skills:** Strong understanding of web markup, including HTML5 and CSS3, and experience with CSS preprocessors like Sass. Familiarity with RESTful APIs and JSON Web Tokens for secure and efficient frontend-backend communication. Proficient in code versioning tools, particularly Git, and knowledge of performance optimization techniques in web development.

Projects

Leaf disease detection using Image Processing

Nov 2019 – April 2020

- Captured and analyzed **500 images**;Developed an innovative Plant Disease Detection system utilizing advanced image processing and deep learning techniques. This system excels in identifying diseased portions of plant leaves from input images, employing a custom-designed deep neural network to extract and analyze key features for accurate disease prediction and recognition.

Sentiment Analysis using NLP and Machine Learning

Sep 2023 – Dec 2023

- Developed a sentiment analysis project for 'Wholesome Memes' reddit content using NLP and machine learning. Utilized Python and PRAW for data extraction, VaderSentiment for initial analysis, and TensorFlow with Keras to implement deep learning models for nuanced emotional expression detection.

Course Advisory Portal:- Tech used (Typescript, React/NestJs, NextJs,GraphQL,Git,PostgresQL Tailwind Css)

- Leading the development of a Course Advisory Portal with a focus on frontend development using React.js and NextJs.
- Integrated Apollo GraphQL for efficient API interactions, enhancing user interface responsiveness and data handling.

Chatbot:- Tech used (NLP, Python, Tensorflow, Keras, Deep learning, Django, Reactjs)

- Developed an advanced NLP chatbot using Python, TensorFlow, and Keras, hosted on Django and React to classify user intents from textual input.
- Utilized JSON for robust data management and employed TensorFlow and Keras to construct and train the deep learning model.
- Integrated key NLP techniques, including tokenization and sequence padding, to process and prepare data for modeling.
- Designed model architecture with an Embedding layer for text vectorization, GlobalAveragePooling1D for dimensionality reduction, and Dense layers for output classification.
- Achieved high accuracy in intent recognition, demonstrating the effectiveness of the model in understanding and responding to user queries.
- Implemented model serialization and data preprocessing with Pickle, enhancing the reproducibility and operational efficiency of the chatbot.