

Moksh Nirvaan

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EDUCATION

The University of Texas at Austin | BS Computer Science, BS Mathematics

December 2024

Coursework: (Data Structures, Computer Architecture, Applied Statistics, Discrete Math, Probability, Linear Algebra)

SKILLS

Languages: Java, Python, C#, JavaScript, TypeScript, C/C++, HTML, CSS

Frameworks: React, Vue.js, React Native, Flutter, Angular, AngularJS, NextJS, ASP.NET, Flask, Node.js, PyTorch, Redux, TensorFlow, REST API, Mongoose, Jackson API

Cloud/DevOps/DB Tools: Git, Docker, MongoDB, Django, Express.js, Kubernetes, AWS, MySQL, GraphQL, Firebase

EXPERIENCE

Frontend Simplified, Austin, Texas

April 2023 - Current

Web Developer

- Transformed a static HTML, CSS, JavaScript and React single page application into an interactive user interface using animations, transitions and carousels.
- Processed API requests with Axios to dynamically represent data from a cloud server and represented it through skeleton loading states, pagination and dynamic routing.
- Utilized Git version control and the GitHub interface to work in a virtual and collaborative team environment.

WorkSpan, San Bernardino, California

June 2022 - August 2022

Software Engineering Intern

- Developed Java program to parse JSON BPA files to a readable format for company clients.
- Implemented Java Jackson library API and JSON Nodes to parse dynamic JSON data.
- Implemented ArrayLists, HashMaps, Iterators, and String manipulation to parse JSON nodes into readable string objects.
- Processed Workspan Rest API requests to retrieve specific JSON raw data to parse to human-readable format.

PROJECTS

NOTENIRVANA

- Explored transitioning from REST to GraphQL APIs, honing knowledge of GraphQL and making a strategic decision to retain REST architecture
- Implemented API endpoints in Azure for seamless integration with OpenAI's Whisper API
- Conducted API testing for optimal functionality and reliability using Postman
- Managed AWS Hosting, S3, and AppSync services for efficient application operation

TWITTER CLONE WITH FAKE COMMENT FLAGGING AND SENTIMENT ANALYSIS

- Created Twitter clone using Java, Python, and JavaScript frameworks with server-side operations.
- Integrated fake comment flagging and sentiment analysis via PyTorch and TensorFlow models
- Implemented data management and handling through REST APIs, MongoDB., AWS, Docker and Kubernetes

GOOGLE CLONE

- Developed Google clone using JavaScript, Python, and C# for core functionality, and React, Vue.js for front-end experience.
- Implemented an intelligent search engine using machine learning algorithms in Python with TensorFlow and PyTorch, enhanced by the use of REST APIs.
- Used MongoDB and MySQL for database management backed via Node.js, Express.js, and Django ORM backend

NETFLIX CLONE WITH INTERACTIVE SEARCH FEATURE

- Developed Netflix based platform, using JavaScript, Python, and C# for core functionalities, and React, Vue.js for front-end.
- Incorporated search feature with AI-based movie recommendations using TensorFlow and PyTorch.
- Established a secure payment gateway supported by with Node.js, Express.js, and Django ORM backend

LEADERSHIP & COMMUNITY INVOLVEMENT

Texas Convergent BT Tech Member, Austin, Texas

September 2022 - Present

- Developed sustainable shopping app using React Native and Flask within an Agile Scrum framework.