MUHAMMAD AHSAN NADEEM

Software Developer

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Education

COMSATS University Islamabad   Feb. 2019 – Feb 2023

Bachelor of Science in Software Engineering   *Islamabad, Pakistan*

Experience

Tekrowe Digital   July 2023 – Oct 2024

Full Stack Developer   *Islamabad, Pakistan*

- Developed and maintained front-end applications using React.js, Vue.js, and Tailwind CSS, delivering a responsive and seamless user experience.
- Worked on the backend using Nest.js and MongoDB to build robust and scalable API services for various applications.
- Integrated Slack, Jira, and GitHub into the project Perf AI, an automated performance testing platform that identifies performance issues, test cases, design flaws, and privacy concerns in APIs provided by users as open spec files.
- Automated the process of reporting identified issues directly to Slack, Jira, and GitHub, enhancing team communication and bug tracking efficiency.

Texinity Technologies   June 2022 – Sept 2022

Full Stack Intern   *Islamabad, Pakistan*

- Collaborated with cross-functional teams to develop the V-Football project, building the frontend with React.js and Ant Design for a sleek and responsive user interface.
- Implemented backend services using Express and MongoDB to ensure data management and seamless interaction between the front-end and server.
- Gained hands-on experience in web scraping using Python and Selenium to automate data extraction from dynamic websites.
- Worked with Git for version control, ensuring efficient collaboration and task assignment among team members.

Technical Skills

Technologies/Frameworks: Vue JS, React JS, Tailwind CSS, Nest JS, Express, MongoDB, HTML, SCSS, Javascript, Python, Java, Flask, Git, Redux Thunk

Projects

Perf AI | *Vue.js, Nest.js, MongoDB, Google Cloud, Tailwind CSS*   Sept 2023

- Developed an automated performance testing platform for APIs, using an open spec file to identify design flaws, security vulnerabilities, performance issues, and test cases through AI modules like Design AI, Privacy AI, Performance AI, and Test AI.
- Built and integrated frontend UI in Vue.js, and implemented API gateways such as Apigee, AWS, Mulesoft, and Kong to enhance flexibility for API management.
- Developed backend and frontend for integrations with Slack, Jira, and GitHub, enabling issues to be automatically posted to these platforms based on the identified flaws.
- Designed and integrated services with multiple API gateways, enabling automated performance testing through various platforms like Apigee, AWS, Mulesoft, and Kong for seamless API performance management.

Apla | *React.js, Tailwind CSS, Redux Thunk, Nest.js, PostgreSQL*   July 2023

- Developed the frontend of Apl´a using React.js and Tailwind CSS, improving the UI/UX of the platform.
- Integrated various APIs into the application to streamline functionality and enhance user interaction.
- Implemented Redux Thunk middleware to manage asynchronous logic and state within the project efficiently.

Tube Lecture Buddy | *React.js, Flask, MongoDB*   Feb 2023

- Developed a system to help users better understand YouTube lecture videos by analyzing and processing content through React.js, Flask (Python), and MongoDB.
- Implemented a feature to detect whether the provided YouTube link corresponds to a lecture and, if so, generated key topics discussed in the video with accurate timestamps.
- Automatically generated organized PPTs and documents containing the audio transcript and detailed lecture content, providing a structured overview of the video.
- Included functionality for translating the audio transcript into seven languages, broadening accessibility to non-native speakers.
- Developed an interest-based search feature and a video clipping tool that allowed users to extract specific video segments based on custom start and end times.