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.

COMSATS University Islamabad   Sept 2021 – Jan 2022
Teaching Assistant – OOP in Java   *Islamabad, Pakistan*

- Assisted in teaching Object-Oriented Programming (OOP) concepts and Java programming to undergraduate students.
- Conducted lab sessions to help students implement core OOP principles such as inheritance, polymorphism, encapsulation, and abstraction.
- Guided students in solving programming assignments and debugging code, fostering better problem-solving skills.
- Provided one-on-one mentorship and clarified doubts related to Java syntax, data structures, and object-oriented design patterns.

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 API performance testing platform that identifies design flaws and security vulnerabilities.
- Integrated API gateways (Apigee, AWS, Mulesoft, Kong) for enhanced API management and Slack, Jira, GitHub for issue reporting.

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

- Built frontend using React.js and Tailwind CSS to enhance UI/UX.
- Integrated APIs for streamlined functionality and user experience.
- Utilized Redux Thunk to manage async logic and project state efficiently.

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

- Developed a platform to process YouTube lecture videos, generating key topics with timestamps and creating structured PPTs and documents of audio transcript and lecture content.
- Included audio transcript translation (7 languages) and an interest-based search feature.
- Added a video clipping tool for users to extract specific video segments.