Akshay Kumar Teppala

LinkedIn: linkedin.com/in/akshaykumarteppala/
Email: atepp746@students.campbellsville.edu
Mobile: +1 3122567920

Portfolio: https://teppalaakshay.github.io/personal-website/

Seeking Full-Time Software Engineer/Frontend Developer/ Full-Stack Developer Roles

EDUCATION

Campbellsville University Louisville, KY
Master of Science in Computer Science; GPA: ***3.6*** *Aug 2022 - May 2024*
Coursework: Cyber Security, Artificial Intelligence, Advanced database, Advanced Operating Systems, Advanced Programming Languages, Software engineering, Advanced Topics in Computer Networking and Cyberlaw, Regulations, & Compliance

Jawaharlal Nehru Technological University, Hyderabad Hyderabad, India
Bachelor of Technology in Computer Science and Engineering; CGPA: ***6.56/10.0*** *Aug 2017 - May 2021*
Coursework: Computer Programming in C, Data Structures through C++, Java, Web Technologies, Design patterns, Cloud Computing, Cryptography and Network Security, Data Mining, Design and Analysis of Algoritms, Database Management Systems, Computer Organization, Operating Systems, Python, Software Engineering and Advanced Software Engineering, Software Process and Project Management

TECHNICAL SKILLS

- **Languages**: JavaScript, TypeScript, Java, Python, Golang, C++, C#, PHP, XML
- **Frameworks/Lib**: React.js, Redux, Context API, Springboot, Redux Thunk, Redux Saga, React Hooks, PyTorch, TensorFlow, Pandas, Numpy, OpenCV
- **Web Technologies**: HTML5, CSS3, SASS, Bootstrap, Material-UI
- **Backend & Server-side Technologies:** Node.js, GraphQL, RESTful Web Services, Microservices
- **Testing & Debugging Tools**: Jest, Enzyme, React Testing Library, Redux DevTools, Storybook, Jenkins
- **Databases**: MySQL, NoSQL, PostgreSQL
- **Cloud & DevOps Tools**: AWS, Azure, Docker, Kafka, Kubernetes, Terraform, Webpack, Jenkins

WORK EXPERIENCE

Software Developer, Federal Soft Systems - USA *Aug 2023 - Present*
- Built and maintained responsive Single Page Applications (SPAs) using React.js, TypeScript, and Bootstrap.
- Managed global state efficiently using Context API and Redux, streamlining data flow and reducing prop drilling.
- Integrated React Hooks (useState, useEffect, useContext) for optimized state management and lifecycle control.
- Optimized application performance with code-splitting, lazy loading, and Reacts Suspense.
- Deployed applications on AWS (EC2, ECS, Lambda), ensuring scalability and high availability.
- Ensured ADA compliance following WCAG 2.2 standards, enhancing accessibility.
- **Technologies Used:** HTML, CSS, JavaScript, Typescript, React.js, Context API, Redux, AWS, GraphQL, Jest, Node.js

Software Developer, Creative Soft Technologies - India *Mar 2020 - May 2022*
- Developed scalable e-commerce web applications with React.js and Redux for centralized state management.
- Collaborated with backend teams on Node.js microservices, improving data exchange efficiency by 20%
- Implemented CI/CD pipelines using Jenkins, reducing deployment time by 30%.
- Conducted unit and integration testing with Jest and React Testing Library**.**
- **Technologies Used**: HTML, CSS, JavaScript, React.js, Redux Saga, Node.js, Springboot, Jest, Jenkins, NPM, Webpack, Babel.

ACADEMIC PROJECTS

- **E-Commerce Website**: Developed a responsive and scalable e-commerce web application with features like product listing, cart management, and secure checkout. Enhanced user experience with optimized UI and cross-browser compatibility.
  Technologies Used: React.js, Redux, Node.js, HTML5, CSS3, Bootstrap, MySQL, AWS *(Aug - Dec 2022)*.
- **Employee Attrition and Job Performance Prediction**: Designed a comprehensive data science pipeline to predict employee attrition and evaluate job performance using AI models. Integrated data preprocessing, feature engineering, and predictive modeling for actionable insights.
  Technologies Used: Python, Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn, SQL *(Jan - May 2019)*.
- **Moving Object Detection**: Developed a system to detect and track moving objects in real-time video streams with 90% accuracy, enabling enhanced video analysis.
  Technologies Used: Python, OpenCV, YOLO, Convolutional Neural Networks (CNNs) *(Aug - Dec 2019)*.
- **Attendance with Face Recognition**: An automated system to track attendance efficiently by detecting and recognizing faces in real-time. Improved tracking efficiency by 50% and reduced manual intervention.
  Technologies Used: Python, OpenCV, Dlib, NumPy, Pandas, MySQL, PyTorch *(Aug - Dec 2018)*.

EXTRA CURRICULAR ACTIVITIES

- **Vice President** of CU Web Technologies Club.
- **President** of Undergraduate Cultural club at Mahaveer Institute of Science and Technology (JNTUH)
- **Department Brand Ambassador** for Merit Labs, that conducts Web Technologies Workshop throughout India.