Vinay Varma
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EDUCATION:

Master of Science in Computer Science   **08/2022 – 05/2024**
George Mason University, Fairfax, Virginia, USA

Bachelor of Technology in Computer Science and Engineering   **08/2016 – 09/2020**
Jawaharlal Nehru Technological University, Hyderabad, India

WORK EXPERIENCE:

George Mason University   **05/2023 – 05/2024**
Graduate Teaching Assistant
- Evaluated fair and consistent grading of 100+ assignments and examinations, ensuring adherence to established rubrics
- Conducted over 10 review sessions and study groups per semester, with an average attendance of 20 students per session with cross-functional teams, ensuring cohesive and impactful visual communication

IBI Group   **07/2021 – 07/2022**
Full Stack Developer
- Spearheaded a cross-functional software development team, delivering a high-stakes $1.2 million project on time and within budget, adhering to industry-standard SDLC methodologies
- Optimized workflow, managing over 300 tasks and bug fixes, to achieve timely issue resolution
- Introduced Redux for centralized state management and TypeScript for enhanced type safety in large-scale React applications, leveraging modern JavaScript tooling (ES6, NPM, webpack) and testing frameworks (Chai, Mocha) to boost developer productivity
- Facilitated knowledge transfer and user onboarding by conducting 50+ global Zoom support sessions, empowering users with insights into new application functionalities
- Played a pivotal role in the development and support of 10+ applications utilizing React JS, Python, Django, and PostgreSQL, contributing to the enhancement of BOMA digital infrastructure

Web Development   **08/2019 – 07/2021**
React Developer
- Crafted the creation of a highway assets management system leveraging React functional components with hooks and Redux, resulting in a 10% increase in system reliability and a 20% reduction in bug resolution time
- Enhanced app performance by 40% through the implementation of React hooks, Redux, and React Router in the development
- Followed front-end best practices with Redux-Sagas, cutting state management time by 55%
- Engineered innovative full-stack web applications with ReactJS and Django, including the design and implementation of 100+ API endpoints for efficient data exchange between frontend and backend systems
- Deployed a model for identifying parking spaces within the given image using YOLO algorithm for feature detection to determine the empty parking spots

Code Now   **02/2019 – 08/2019**
Software Engineer
- Drove key initiatives as a JavaScript Developer in an agile project, furnishing invaluable insights and technical acumen
- Completed a rigorous 6-month training program in Python, and JavaScript, enhancing technical proficiency and contributing to skill development
- Demonstrated technical prowess by creating and deploying 15+ JSON APIs, Jobs, and Applications using JavaScript, contributing to project success

TECHNICAL SKILLS:
- ***Programming Languages:*** Java, JavaScript, Python, HTML5, CSS, Redux, JSON, jQuery,
- ***Development Frameworks:*** React.js, Angular, Spring boot, Node.js, Snowflake, Entity Framework
- ***Databases:*** SQL Server, MySQL, PostgreSQL, MongoDB
- ***Cloud Technologies:*** AWS, Docker, Kubernetes, Jenkins
- ***Other Tools:*** SharePoint, Jira, Postman, Git, Eclipse, IntelliJ.