VINAY VARMA
SOFTWARE DEVELOPER

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EDUCATION

Master of Science, Computer Science	Expected May 2024
George Mason University, Fairfax, VA	**GPA: 3.68/4.0**
Bachelor of Technology, Computer Science & Engineering	Graduated Sept 2020
CMR College of Engineering and Technology, Hyderabad, India	**GPA: 9.13/10**

TECHNICAL SKILLS

Programming Languages & Frameworks: JavaScript, Python, C#, C++, C, Java, ReactJS, HTML, CSS, Bootstrap, Angular, VueJs

Back-End & Front-End Development*:* NodeJs, Express.js, NestJS, GraphQL, RxJS, MongoDB, PostgreSQL, MySQL, Webpack

Tools & DevOps*:* Postman, CI/CD, Jenkins, SonarQube, Jira, Git, GitHub**,** Docker, Kubernetes, AWS, Heroku, Redux, Typescript

Machine Learning and Data Science*:* TensorFlow, PyTorch, scikit-learn, Unix, Spring, sql,

Certifications*:* Meta Front-End Developer, Python Programming, JavaScript Developer, Machine Learning with Python

PROFESSIONAL EXPERIENCE

Software Development Engineer 1 (SDE1) | IBI Group, Hyderabad, India | May 2021 – Jul 2022

- Managed code reviews, unit tests, and deployments for two product releases, demonstrating strong DevOps expertise.
- Successfully led a software development team, delivering a project worth $1.2 million on time and within budget.
- Collaborated with cross-functional teams to gather and analyze user feedback, ensuring product enhancements aligned with user needs.

Associate Software Development Engineer | IBI Group, Hyderabad, India | Jul 2020 – May 2021

- Developed software solutions that boosted employee efficiency by up to 30%, showcasing a strong focus on productivity.
- Implemented Python and C++ scripts for automating unit tests, resulting in an impressive 50% reduction in testing time.
- Optimized code efficiency through effective debugging and troubleshooting, ensuring robust and reliable software.
- Collaborated across teams to resolve issues and complete projects, fostering teamwork and cross-functional collaboration.
- Expanded the website's userbase by 25% while reducing page load times by an impressive 40%, emphasizing improvements in user experience and performance.

Software Development Engineer Intern | IBI Group, Bangalore, India | Aug 2019 – Jul 2020

- Managed code changes for a 15-member development team using Git version control, demonstrating proficiency in Git, Jira.
- Acquired advanced proficiency in deploying web applications, contributing to multiple successful deployments.
- Spearheaded the end-to-end design, development, and upkeep of integration processes, achieving a remarkable 99.9% uptime and operational efficiency.
- Ascertained high coding standards, efficient design patterns and diverse testing methods with Agile and Software Development Life Cycle methodologies to develop high-quality software and applications.

PROJECTS

Digital Ledger and Payroll Management System (Full Stack Android App)   Mar 2019 – May 2019

- Analyzed a dataset of 50,000 individuals' demographic and income information to develop data-driven marketing profiles, addressing data cleaning and preprocessing challenges.
- Conducted exploratory data analysis & developed visualizations for key attributes (>10) to identify factors impacting income.

CurbIQ (Digitization of Curbside Regulations) | IBI Group, Hyderabad, India | Aug 2019 – Jan 2020

- Integrated Node.js micro-service for seamless communication with internal and external 3rd party services via APIs
- Enabled 100% paperless process by introducing a feature to embed sequential user e-signatures on documents after validation, resulting in 1.5K digital signatures across various document types.

NECE Toll System (Closed Toll Collection System) | IBI Group, Bangalore, India | Jul 2020 – Feb 2021

- Achieved remarkable vehicle processing at the lane level with an accuracy rate exceeding 90%, ensuring safe operations.
- Managed the processing of approximately 1 million transactions daily, resulting in the generation of a substantial 1 TB data.
- Facilitated a project turnover of approximately 4-5 lakhs at each toll booth, demonstrating a considerable economic impact.

HONORS & AWARDS

- Smart City Hackathon, 2018 | Regional finalist team member
- TEDx CMRTC, 2019 | Host
- Cyber Security Club – CMRCET, 2019
- Best Critical Thinkers & Designers Award – IBI Group, 2020 | Winner

SOFT SKILLS

- Communication
- Teamwork
- Leadership
- Problem-solving