

Abhishek Verma

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EDUCATION

- George Mason University** Fairfax, VA
Master of Science in Computer Science; GPA: 3.92 August 2022 - May 2024 (Expected)
- National Institute of Technology (NIT)** Jalandhar, India
Bachelor of Technology in Computer Science and Engineering; GPA: 3.64 August 2016 - June 2020

EXPERIENCE

- George Mason University** Fairfax, VA
Graduate Teaching Assistant - Software Engineering August 2022 - Present
 - Led lab sessions for 80+ students, facilitating hands-on programming experience in JAVA, JavaScript and Node.js.
 - Instructed lab exercises covering OOP concepts like classes, inheritance, APIs, database integration, debugging and testing.
- Ballotpedia** Middleton, WI
Data Engineer Intern June 2023 - August 2023
 - Engineered Python-based ETL processes leveraging AWS S3 for large-scale voting datasets. Extracted 50,000+ records from 200+ documents, applied transformative and cleansing procedures and loaded processed data into a SQL database.
 - Delivered an AI-powered web application using React.js, Node.js and OpenAI API that extracts representative voting records from PDF files, reducing manual work by 90%.
 - Employed batch processing techniques to transform unstructured text and tables from 3500 county voting PDFs into analytical CSV datasets using custom regex scripts.
- Info Edge India Ltd (Naukri.com)** Noida, India
Senior Software Engineer August 2020 - July 2022
 - Revamped multiple user interfaces using React.JS, TypeScript and AngularJS yielding in a 16% enhancement in performance, evaluated by PageSpeed Insights. Achieved 95% code coverage with Jest and Enzyme, reducing production bugs by 30%.
 - Designed REST and GraphQL APIs leveraging Node.js and implemented client-side rendering using React.JS that reduced page load latency by 40% and lifted search visibility by 20% as quantified by Google's PageSpeed Insights.
 - Built and Collaborated on reusable user profile, jobs, and application microservices with over 90% code reuse using Java, Spring, PHP, MySQL for Naukri.com job portal, enabling 60% faster development across projects.
- EKO India Financial Services** Gurgaon, India
Software Developer Engineer Intern June 2019 - July 2019
 - Developed a scalable web-based Twitter Sentiment Analysis tool using Python and Flask, which enabled the customer support team to categorize and respond to 5,000+ customer feedback messages in real-time, leading to a 30% reduction in response time.

PROJECTS

- Urgent Unity** Fairfax, VA
Hackathon Project October 2023 - October 2023
 - Architected HIPAA-compliant full-stack web application using MERN stack (MongoDB, Express.js, React.js, Node.js). Built a dashboard showing real-time CPR-certified professionals provider availability metrics, location and urgent case priorities.
 - Implemented scalable API endpoints using Node.js facilitating urgent coordination between patients and first responders via AWS Translate's multi-language speech translation and Google Maps for navigation and insurance-aware hospital routing.
 - Optimized algorithm for provider ranking, achieving an average dispatch time of 2 minutes for 100 simulated cases.
- University FeedbackXpress** Fairfax, VA
Academic Project January 2023 - May 2023
 - Developed elastic and microservices-based applications with user interface using AngularJS, RESTful Web Services, and SpringBoot to collect survey feedback from GMU students, leading to a 30% improvement in page reload time.
 - Employed Docker, Kubernetes, Jenkins CI/CD pipeline, and Amazon RDS/SQL for optimal performance, storage, and deployment, contributed to 40% reduction in deployment time.

SKILLS

- Languages:** Java, Python, JavaScript, TypeScript, C#, C++, C, SQL, PHP, Scala and Go
- Database:** MySQL, PostgreSQL, MongoDB, SQL Server, Oracle Server, JDBC, BigQuery, Redis
- Web Technologies:** Spring Boot, React.JS & Redux, Node.Js, REST, AngularJS, Django, Flask, .NET, HTML, jQuery, CSS, Webpack, Babel
- Big Data:** Apache Spark, MapReduce, Hadoop, Kafka
- DevOps and Tools:** GIT, Jenkins, Docker, Kubernetes, Terraform, Ansible, Postman, JIRA, AWS, Azure, EC2, S3, GCP, Maven
- Data Science:** Deep Learning, Machine Learning, NLP, NumPy, Pandas, Scikit-learn, Tensorflow, Pytorch, Statistics