ISHITA KUMAR

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SKILLS

Languages and Technologies	Java, Python JavaScript, NodeJS, ReactJS
Frameworks and Database	Rest, Spring, MySQL , MongoDB, XML
Tools	JMeter Testing, Git, Jenkins, Docker, Kubernetes, RabbitMQ
Productivity and Skills	JIRA, Agile Methodology, Scrum, Software Development Life Cycle

EDUCATION

Indiana University, Bloomington - Master of Science in Computer Science   2019-2021
Relevant Coursework: Distributed Systems, Software Engineering, SQL/NOSQL ,Experience Design   GPA 3.8/4

NMIMS, Mumbai India - Bachelor of Science in Computer Engineering   2014-2018
Relevant Coursework: Distributed Systems, Object Oriented Software Engineering   GPA 8.1/10

EXPERIENCE

Software Engineering Intern, *Crisis Technologies Innovation Lab, Indiana University*   May 2020-Present
- Developed a full-stack Covid-19 dashboard for the Bloomington council using **React.js,D3.js MySQL, Node.js, and tools such as Python libraries, Jenkins and Webhooks using Agile Methodology.**
- Strategized with a team of 20, including product managers, UX Designers and stakeholders to streamline the process of effectively producing complex data into interactive visualizations.
- Key Achievements – Spearheaded the development of a mobile responsive website with a customer base of 500 council members since its first month.

Software Engineer, *Tikona Infinet, Mumbai, India*   Sept 18 -July 19
- Enhanced the performance of the 3 Tier Mobile App, Customer Care Maintenance Portal and other server-side components with **Java, and JavaScript, Spring-Boot, and MySQL.**
- Contributed to all the phases of SDLC including Requirements Collection, Design Analysis of the Customer Specifications, Development and Customization of the application.
- Designed and documented **REST/HTTP APIs** and implemented business projects using **Java MVC Framework, and MySQL**.
- Streamlined the performance of in-house applications and reduced the time taken by 33% to process customers complaints by developing multiple API's for extracting customers' billing information and payment deadlines.

Developer Intern, *Competitive Exam Guide, India*   July 18 - Aug 18
- Designed a Full-Stack student registration portal which processed, analyzed, and rendered student data visually for a K-12 tutoring company and their students.
- Reduced time by half to render student ID Cards by building a lightweight application that automatically renders exam-hall id cards using **HTML5, CSS, JavaScript, Ajax, jQuery, PHP**

ACADEMIC PROJECTS

Weather Forecaster
- Technologies: **Distributed Systems, Spring Boot, ReactJS, NodeJS, Python, RabbitMQ, Docker, Kubernetes, Jenkins**
- Built an **Information Retrieval pipeline** 5 Micro-services to fetch weather data, wrote **Unit test cases** using **JUnit** and **Selenium** test cases for UI testing with a code coverage of 80%.
- Deployed each micro-service using **Docker** and used **Kubernetes** to orchestrate Docker Containers and established a Continuous Integration and Continuous Delivery pipeline using **Jenkins** to trigger automatic builds.
- Resolved page failures and increased performance by incorporating the **Istio's Service mesh**, increasing reliability by 70% and page load times by up to 30%.

Are You In?
- Technologies**: ReactJS, NodeJS, JavaScript, jQuery, Bootstrap, Agile Methodology**
- Spearheaded the development of an Event Management Website, using **MongoDB, Express, ReactJS, NodeJS .**
- Optimized code of the website in measured sprints using **agile software development methodology** - development iterations, industry coding standards, retrospective team meetings, code reviews, pair programming and **test-driven development.**
- Ranked 1st Runner Up in best Software Development Projects in a Class of 60.

Facial Recognition System
- Technologies**: C#, MATLAB, Open CV, Raspberry Pi**
- Developed a Face Recognition Software for Smart Homes using C# and OpenCV with an accuracy of 75%.
- Authored the Research paper Securing Smart Homes using Face Recognition Techniques, IJARCS 2018 for the same.

ACHIEVEMENTS

- Authored the Research Papers, Presentation Abstraction Control Architecture Pattern in Business Intelligence, ICACDS 2019.
- Dedicated **Open-source contributor** at Apache, Mozilla, Layer5io – Resolved Open issues, conducted Peer-review's.
- **Mentored students** aged 8-16 in the development of websites using Front-end technologies such as JavaScript, CSS, Bootstrap at Camp K-12 India.