VINAY GAJAVELLI

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(Clickable)

Profile

- A motivated Master's graduate in Management Information Systems with strong skills in front-end development, UI/UX design, and programming in SQL, Python, and Java. Experienced in building user-friendly web applications, designing smooth interfaces, and improving database performance. Skilled in creating microservices and APIs, and working with cloud technologies like AWS and Azure. Familiar with DevOps tools, version control, and writing tests to ensure quality. Passionate about solving problems with technology and eager to contribute my skills in software development, data analytics, or IT support to an innovative team.

Education

2023/08 – 2024/12 Springfield, USA	**Masters - Management information system** *University of Illinois Springfield* ⧉
2018/06 – 2022/09 Khammam, India	**Bachelor of Technology - EEE** *Jawaharlal Nehru Technological University, Hyderabad* ⧉

Professional Experience

2022/07 – 2022/11	**Capgemini - Information technology company (Adapt Internship Remote)** *Superset ID*: 1594615 Through hands-on internship experience, I applied coursework in data structures, algorithms, programming, and cloud computing during my internship, exhibiting proficiency in Python while contributing to innovative IT solutions and business success at Capgemini.

Certificates

Adobe XD UI/UX Design(Clickable) ⧉
Completed by Juan E. Galvan and Arthur Zudin
Program in June 2021.

React JS- Complete Guide for Frontend Web Development(Clickable) ⧉
Completed by EdYoda Digital University's Qaifi Khan and Mavludin Abdulkadirov program in December 2023.

Projects

2023/10 – 2023/12	**Fiscal Insights: Unveiling Louisville Metro's Expenditure Dynamics (Master's Data Mining Project)** *Analyzing Government Expenditures - Louisville Metro's expenditures for that specific fiscal year. It covers a variety of businesses and governmental functions and offers incisive data on financial trends, expenditure categories, and budgets allocations. The information includes vendor names, invoiced amounts, funding sources, and agency-specific spending for Fiscal Year 2022–2023.* **Role** - As part of this project, I have to ensure that the Excel data is consistent and accurate before analysing and displaying the expenditure data using Tableau software. The objective is to ascertain the total amount spent in Louisville Metro during the fiscal year 2022–2023.

2021/02 – 2021/07	**Book Stall App Prototype(Clickable)** ⧉
	Doctors Appoinment Booking App Prototype(Clickable) ⧉
	I designed and prototyped a user-friendly book store booking app and a doctor appointment booking app using Adobe XD. Specializes in crafting intuitive interfaces, showcasing expertise in UI design, Adobe XD prototyping, and enhancing the overall user experience. Proficient in healthcare UI/UX design, precise Adobe XD prototyping, and meticulous attention to user interactions.
2025/01	**Breath of the Wild: A Nature-Inspired Blog(Clickable)** ⧉ *Role*: *Front-End Developer & UI/UX Designer* Developed a minimalist, responsive blog using HTML, CSS, and Bootstrap, focusing on UI/UX design, navigation, and dynamic image sections. Implemented interactive components like a subscription modal and ensured a smooth, user-friendly experience. Showcased front-end development skills through aesthetic and functional web design.

Skills

Front-End Development
- **Web Technologies**: HTML, CSS, JavaScript
- **UI Frameworks**: React.js, Angular, Responsive Design, Single-Page Applications (SPA)
- **Front-End Tools**: Bootstrap, Material-UI, jQuery
- **UI/UX Design**: Adobe XD, Figma, User-Centered Design, Prototyping, Wireframing

Programming & Development
- **Java**: Spring Boot, Hibernate, Java 8+, Microservices, RESTful APIs, Object-Oriented Programming (OOP)
- **Python**: Django, Flask, FastAPI, Web Development, API Development
- **OOP**: Inheritance, Polymorphism, Encapsulation, Design Patterns
- **API**: RESTful, Web Services, Microservices Architecture

Database & Cloud
- **Databases**: SQL, PostgreSQL, MySQL, MongoDB, Database Design, Data Modeling
- **Cloud**: AWS, Azure, Google Cloud, Cloud Services, Docker, Kubernetes, Containerization
- **DevOps**: CI/CD, Docker, Kubernetes, Infrastructure as Code, Cloud Computing

DevOps, Testing, and Version Control
- **Version Control**: Git, GitHub, GitLab, Bitbucket, Code Collaboration
- **CI/CD**: Jenkins, Automated Testing, Continuous Integration, Continuous Deployment
- **Testing**: JUnit, PyTest, Selenium, Test-Driven Development (TDD), Unit Testing, Integration Testing

Awards

2019/11/07	**Science Expo Experiment** Secured an award for the wireless power transfer Tesla coil experiment at a science expo in college.
2011/10/03	**Badminton player** I achieved recognition as a skilled badminton player at the age of 11. earned an award for exceptional performance in the sport.