Sai Mahidhar Vukkem

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EDUCATION

Florida Atlantic University - master's in computer science   **May 2025**
Software Engineering, Advanced Database, Machine Learning, Web analytics, Artificial Intelligence   *Boca Raton, FL*

TECHNICAL SKILLS

- **Programming:** Java, Python, JavaScript, C, C++, C#, SQL, DSA
- **Web Technologies:** HTML, CSS, ReactJs, jQuery, SpringBoot, NodeJS, Bootstrap, Angular, Django, MERN Stack, .NET, WordPress
- **Cloud Technologies:** AWS (IAM, VPC), Kubernetes, Docker
- **Monitoring/CI/CD Tools:** Grafana, Prometheus, Jenkins, Kafka, Redis
- **Databases/Bigdata:** MYSQL, PostgreSQL, MongoDB, DynamoDB, Google Cloud Hadoop, Apache Hive
- **Developer Tools:** VS Code, Git/GitHub, Apache Maven, IntelliJ, Postman
- **Other Technologies:** Microservices, RESTful APIs, AWS, Azure, Git, Jira, Agile, SDLC, Docker, NumPy, Pandas, TensorFlow, SEO

PROJECTS

Amazon Clone – https://github.com/MahidharCodes/Amazon-Clone   **March 2024**
- Developed a high-fidelity Amazon Clone using **JavaScript**, **React**, **Firebase**, **HTML/CSS**, **TypeScript** and **NodeJS**. Integrated key features such as **user authentication**, **real-time database**, and serverless functions.
- Demonstrated proficiency in full-stack development and rapid prototyping. Leveraged **React Context API** for efficient **state management**, slashing error rates and processing time by 50%.

Recipe Guru (AI) – https://github.com/MahidharCodes/recipe-guru   **August 2024**
- Developed an AI-powered recipe suggestion system using **React**, **NodeJS**, and **PostgreSQL**, enabling users to find recipes based on available ingredients and dietary preferences.
- Integrated **Spoonacular AP**I for intelligent recipe recommendations, enhancing user experience with tailored suggestions.
- Implemented user authentication, favorite recipe management, and search history tracking to improve engagement.
- Deployed the **backend** on **Railway** and the **frontend** on **Render**, ensuring scalability and seamless performance.

Enterprise Resource Planning (ERP) System for E-commerce Business   **January 2023**
- A **MERN** stack-based ERP system integrated with **Java** components to manage end-to-end business processes, including order tracking, inventory management, picking, packing, dispatching, and shipping.
- Implemented **new payment gateway integrations** by routing corresponding APIs and automating transaction workflows. Integrated new shipment providers by adapting their APIs into the existing shipping and dispatching flow.
- Managed development and production environments, automated scheduled tasks using **cron jobs**, and deployed the system on **Microsoft Azure** while adhering to best coding practices.

WORK EXPERIENCE

Florida Atlantic University, Boca Raton, Florida   **Aug 2024 - Dec 2024**
Graduate Teaching Assistant
- Assisted in teaching **CIS 6370: Computer Data Security**, conducting lab sessions, preparing course materials, and managing grading to ensure a structured learning experience. Provided academic support through office hours and online forums, helping students understand complex security concepts and coursework.

Florida Atlantic University, Boca Raton, Florida   **May 2024 - Aug 2024**
Graduate Research Assistant
- Conducted research on **Factorization Machines** and their applications in **machine learning**, assisting with data collection, analysis, and project collaboration. This experience enhanced my ability to integrate **machine learning** algorithms with **full-stack development**, leveraging data insights to build intelligent, **data-driven** applications.

Techigai Pvt Ltd., Hyderabad, India   **Jan 2021 – Dec 2023**
Software Developer *[Tech: Java, Spring Framework, JavaScript, React, Angular, WordPress, RESTful APIs, Kafka, PHP and SQL]*
- Developed and maintained responsive single-page web applications for clients and internal projects, using **React**, **Angular**, and **WordPress**, ensuring seamless and engaging user experience.
- Implemented clean, modular, and well-documented code, adhering to best practices and conducting thorough code reviews to ensure high-quality, maintainable software.
- Optimized **SEO** for marketing websites using **WordPress** and custom plugins, increasing website performance by 20% and improving search engine rankings.
- Contributed to the development of an internal **Organizational Resource Management application**, creating reusable **React** components for improved consistency and efficiency across projects.