VAISHNAVI KADAM

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EDUCATION

Syracuse University   **2024 - ongoing**
Master of Science in Computer Science | Expected Graduation: 2026   *Syracuse, New York*
- Relevant coursework: Design and Analysis of Algorithms, Computer Architecture, Introduction to Machine Learning and its Algorithms, Assured Programming and Formal Methods, Internet of Things, Operating Systems

Usha Mittal Institute of Technology   **2020 − 2024**
Bachelor of Technology in Computer Science and Technology   *Mumbai, Maharashtra*
- Object Oriented Design, Data Structures, Cloud Computing, Cryptography and Network Security, Database Management Systems, Distributed Computing, Cloud Computing

SKILLS

Languages and Databases: Python, Java, JavaScript, Typescript, C++, Firebase, PostgreSQL, MongoDB
Tools and Frameworks: ReactJS, HTML-CSS, Tailwind, Bootstrap, Node.js, Express.js, RESTful APIs, Flask, PyTorch, TensorFlow, Pandas, Seaborn, AWS, EC2, S3, Route 53, Google Cloud, Docker, CI/CD (GitHub Actions, Jenkins), Kubernetes
Other: Agile Methodologies (Scrum), Linux Shell Scripting, Data Structures and Algorithms, Scalable Systems, Testing, Git/GitHub

EXPERIENCE

Hacktoberfest Contributor   **October 2024**
Open Source Projects
- Contributed to multiple full-stack repositories, enhancing features and resolving issues in React.js-based applications.
- Collaborated with maintainers to ensure code quality and adherence to project guidelines.

Nexus Info   **Jan − April 2024**
Fullstack development Intern
- Gained hands-on experience in full-stack development, focusing on frontend-backend integration, project deployment, and web optimization techniques.
- Implemented user authentication systems, enhancing application security, and optimized web performance, improving load times. Tech stack used - React.js, Express.js, MongoDB, Firebase.

PROJECTS

Forkfolio | Recipe Sharing Social Media App | *React.js, Node.js, Express.js, MongoDB, REST API, AWS*   **2025**
- Architected a scalable cloud-native backend deployed on AWS (EC2, S3) to support 1,000+ concurrent users with 99% uptime.
- Developed RESTful APIs for CRUD operations, integrating JWT-based authentication and rate-limiting to secure endpoints against unauthorized access.
- Deployed using CI/CD pipelines on AWS, ensuring seamless updates and scalability. Implemented cloud-first infrastructure with AWS services for storage, compute, and monitoring, ensuring cost-efficient scalability.
- Designed a frontend website with responsive UI with Tailwind CSS featuring dynamic recipe creation, profile customization, and real-time interaction capabilities (likes, bookmarks)

TinyClip | Scalable URL Shortener | *React.js, Node.js, Express.js, MongoDB, REST API*   **2024**
- Engineered a high-traffic backend architecture handling 50,000+ daily requests with a 1s response time, leveraging load-balanced Node.js servers and connection pooling.
- Designed RESTful APIs with Express.js for URL shortening/redirection, achieving 99.9% uptime through horizontal scaling and fault-tolerant MongoDB Atlas clusters.
- Deployed on Render.com with MongoDB Atlas, ensuring secure and optimized database hosting.

PPTBuddy | AI-Powered PDF-to-PPT Converter | *Python, Flask, React*   **2024**
- Built an AI-powered system for PDF-to-PPT conversion using NLP techniques [TextRank, TF-IDF] and integrated OpenAI's GPT API for generative content summarization, improving overall efficiency of final product by 90%.
- Integrated OpenAI API to enhance content summarization capabilities, streamlining the process of condensing complex documents into concise presentations.
- Implemented a web-based interface employing React.js, enabling users to easily upload documents and generate functional PowerPoint presentations. Integrated REST ful API to manage data flow between frontend and backend.