

SAHITI ADEPU

Email | +1 (850) 980-4529 | [Linkedin](#) | [Portfolio](#) | Tallahassee, FL

Education

Florida State University — CGPA: 3.96/4

- Master of Science in Computer Science
- Relevant Courses: Data & Computer Communications, Advance Database Systems, Applied Machine Learning, Advance Data Science

Aug 2023 – May 2025

Tallahassee, FL, USA

Jawaharlal Nehru Technological University — CGPA: 8.16/10

- Bachelor of Technology in Computer Science
- Relevant Courses: Data Structures & Algorithms, Web Development, Object Oriented Programming using C++, Java, SDLC

July 2018 – July 2022

Hyderabad, India

Skills

Programming Languages: Java, Python, C, C#, C++, JavaScript, TypeScript, HTML, CSS, JSON, XML

Databases : MySQL, MongoDB, PostgreSQL, SQL Server, Oracle, IBM DB2

Frameworks & Tools : TeamCity, JIRA, Jenkins, Selenium, .NET, React.js, Node.js, Angular, Express.js, Redux, Figma

Cloud & Others : AWS (S3, EC2, RDS), REST APIs, Docker, Kubernetes, Agile Methodologies, Bootstrap

Experience

Graduate Teaching Associate — *Florida State University (Tallahassee, FL)*

August 2024 – Present

- Building department resource tracking using .NET backend with React.js frontend, integrating with existing university systems through REST APIs
- Assisted students with coursework covering diverse data science and Network Security topics, including Transformers & LLMs, Copilot Studio, Data Collection, Statistical Analysis, and Data Visualization.

Associate Software Engineer — *OpenText Technologies (Hyderabad, India)*

October 2021 – June 2023

- Engineered scalable enterprise solutions by developing SpecFlow plugins and advanced C# automation scripts using the .NET, Selenium, & Cucumber for Enterprise Product Platform, significantly improving test automation efficiency and reliability
- Designed and optimized backend export modules and workflows across platforms: SharePoint, Documentum, and Databases, using Node.js and SQL to automate data extraction, saving users 2+ hours per task and enhancing system reliability
- Developed web-based content management system using ASP.NET, React.js, and SQL Server, including creating synchronization systems via C# and Web APIs, achieving an 85% boost in data transfer efficiency while adhering to agile methodologies

Full Stack Developer Intern — *OpenText Technologies (Hyderabad, India)*

September 2021 – October 2021

- Developed React-based media management pipeline with TypeScript and Redux, reducing task completion time by 50%
- Streamlined UI development for a Business Process Management platform with React, Bootstrap, and Figma, collaborating closely with UX designers to create intuitive interfaces that improved user interaction by 30%
- Leveraged tools - Maven, Git, Docker and TeamCity to implement containerization and CI/CD pipelines

Software Engineer Trainee - PEP — *EPAM Systems (Remote)*

September 2020 – June 2021

- Participated in intensive training program focusing on full-stack development and software engineering practices
- Developed an e-commerce platform for online grocery shopping using JavaScript and CSS for front-end development, Node.js for backend implementation, and MongoDB for data management, enabling comprehensive online shopping functionalities
- Collaborated with team members using Agile methodologies and version control systems via JIRA, Confluence

Academic Projects

Hospital Inventory Management System using MERN Stack — *Node.js, Postman, JSON, XML, HTML/CSS*

- Developed a Hospital Inventory Management System using the MERN stack to track ventilator status and optimize resource allocation during COVID-19, featuring a secure, responsive, and interactive UI built with HTML, Tailwind CSS, JavaScript
- Focused on CRUD operations to reduce data processing times by 30%, improve inventory data accessibility by 50%, and streamline patient record, leveraging jsonwebtoken for secure authentication and robust APIs implemented with Node.js and Postman

Food Recipe Recommendation System — *Python, Flask, NLTK, Scikit-learn, HTML/CSS, JavaScript, Web Scraping*

- Designed and implemented a Python Flask-based recommendation system using NLP and machine learning, incorporating extensive EDA, and visualization using pandas, matplotlib, seaborn, serving a database of over 4,000 recipes with a user-friendly interface.

Bookish Bliss — *Full Stack Web Application - React, NodeJS, Bootstrap, Redux, MongoDB, HTML, CSS*

- Spearheaded the development of Bookish Bliss web application using technologies like NodeJS, React and MongoDB
- Enabled users to create and manage personalized book collections, fostering an intuitive and enjoyable experience

Bridging Network Topologies: A Software- Based Interactive Network Emulator System — *Python*

- Implemented an network emulator system that intricately replicates the functionalities of bridges, stations, and routers within Ethernet LANs and IP internetwork environments

Publications — *Python, YOLO, CNN, MediaPipe, OpenCV*

- Conducted research projects on diverse applications of deep learning and AI, including real-time accident detection at Construction site; cardiovascular disease prediction using ANN; driver safety prediction with CNN; and a comparative analysis of optimizers tested on MNIST and AutoEncoder datasets to evaluate their performance and suitability for various applications

Certifications

- Problem Solving through Programming, Web Development, Data Science for Engineers, Introduction to Research, Social Networks, Real-Time Systems, AI for Everyone