

JAYAM DAXESHKUMAR SHAH

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EDUCATION

Master of Science, Data Analytics

San Jose State University (San Jose, CA)

▷ GPA: 3.57 / 4.0

Aug 2024 - Expected May 2026

Bachelor of Technology, Computer Science & Engineering

Parul Institute Technology (Parul University) (Gujarat, India)

▷ Cumulative GPA: 7.03 / 10.0

Aug 2019 - April 2023

TECHNICAL SKILLS

Programming

Python, C, MongoDB, SQL

Tools and Framework

Apache Hadoop, Excel, Tableau, PowerBI, Apache Spark

Virtualization Technologies

Docker, Snowflake, Jupyter Notebook, GCP, AWS

Web Technologies

JavaScript, MySQL, Git, HTML/CSS, Bootstrap

KEY PROJECTS

AI-Enhanced Brain Tumor Detection with Deep Learning Algorithms

- ▷ Designed an advanced brain tumor detection system utilizing deep learning and medical imaging techniques, improving diagnostic accuracy and facilitating early detection.
- ▷ Utilizing an MRI image dataset from Kaggle of brain tumor patients, developed a model to detect the presence of brain tumors with an outstanding accuracy of 99.90%. This performance exceeded industry benchmarks through effective model optimization techniques.
- ▷ Created visualizations using Matplotlib and Seaborn to demonstrate model performance and provide actionable insights for healthcare professionals.

Eco-Conscious Platform for Effective Food Waste Management

- ▷ Designed and implemented a robust platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) to address food waste management sustainably.
- ▷ Integrated advanced real-time data visualization tools, including D3.js, Power BI, and Tableau, to provide actionable insights and track waste reduction metrics effectively.
- ▷ Focused on scalability and efficiency by optimizing database queries and server-side processing, ensuring seamless performance under high user loads.

Developed E-Commerce Site Clone with Core Features

- ▷ Developed both the front-end and back-end of the application, incorporating interactive UI components with React.js and implementing RESTful APIs with Express.js and Node.js for smooth data exchange.
- ▷ Ensured responsive design, making the platform accessible across various devices and screen sizes using CSS frameworks like Bootstrap.
- ▷ Developed both the front-end and back-end of the application, incorporating interactive UI components with React.js and implementing RESTful APIs with Express.js and Node.js for smooth data exchange.
- ▷ Enabled payment gateway integration for secure transactions, leveraging third-party APIs like Stripe or PayPal.

WORK EXPERIENCE

Web-Development Intern - SkillCode Hub (Gujarat, India)

June 2023 - Dec 2023

- ▷ Led the complete redesign of the user interface (UI) and user experience (UX) for a high-traffic airline ticket booking website based in Dubai, focusing on enhancing usability and customer satisfaction.
- ▷ Developed wireframes, mockups, and interactive prototypes using tools such as Figma and Adobe XD, aligning with the brand's goals and user needs.
- ▷ Collaborated with developers to integrate the new UI/UX design, ensuring smooth front-end development and optimal performance.
- ▷ Optimized navigation flow and booking interface, reducing the average time to complete a booking by 25%.