Sathvik Jasti

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Professional Experience

Software Developer | Orbit Analytics, New York, NY   May 2024 - Present
- Engineered REST APIs using Java Spring Boot that integrated Hugging Face LLMs to enable AI driven data summarization and natural language query processing, reducing average API response time by 30% and improving user query accuracy.
- Developed data processing scripts in python to automate data extraction and transformation, reducing manual effort by 30% and improving data accuracy for stakeholder reporting.
- Collaborated with UI/UX designers to refine React components, ensuring adherence to accessibility standards and improving usability scores.
- Deployed machine learning models on AWS Sagemaker using PyTorch, streamlining the model training process and reducing deployment time by 50%.
- Implemented Docker containers for model deployment, ensuring consistent environments across development and production, which improved deployment reliability and reduced rollback incidents by 70%.

Research Assistant | Florida Institute of Technology, Melbourne, FL   Aug 2023 - May 2024
- Developed innovative full stack applications with React.js and Node.js, incorporating AI features via RAG + LLMs to make NASA standards interactive and queryable, boosting research productivity by 25%.
- Maintained software through unit testing, debugging, and documentation, troubleshooting access issues to ensure seamless integration with Google Cloud SQL.
- Participated in SDLC phases from analysis to support, collaborating with teams using Agile methodologies and Git for source control.
- Streamlined deployment pipelines by containerizing services with Docker and automating on Google Cloud Run, while documenting architectural decisions for knowledge sharing.

Projects

Freelance*: Solar Data Automation Project* | Infinite Photon Energy, Texas, USA
- Saved 10 hours of weekly manual effort by automating data pipeline from ERCOT and Photon APIs to Google Sheets.
- Improved data reliability by 30% with dual ETL workflows and deduplication logic.
- Increased forecasting accuracy by 25% through automated revenue calculations and daily completeness tracking.

Freelance*: Full Stack Developer* | Estilo Latino Dance Studio, New Jersey, USA
- Developed and deployed a full stack web application for a dance studio business using React, TypeScript, Node.js/Express, and Supabase (PostgreSQL) on cloud infrastructure
- Designed and optimized complex SQL queries for customer management, pass tracking, check in history, expiration alerts, and automated birthday/notification scheduling using PostgreSQL with Supabase
- Integrated third party APIs including Square for secure payment processing, Twilio for SMS notifications, and Resend for automated email delivery with role based admin/staff dashboards

Technical Skills

Languages & Frameworks: Node.js, React.js, Java, Python, JavaScript, TypeScript
Databases: PostgreSQL, MySQL, MongoDB, Redis, Redshift
Cloud & DevOps: AWS (EC2, S3, Lambda), GCP (Cloud Run, Cloud SQL, Pub/Sub), Docker, Terraform, Git
Practices: Agile/Scrum, SDLC, RAG & LLMs, Code Reviews, Pull Requests

Education

Master of Computer Information Systems   Aug 2023 - May 2025
Florida Institute of Technology, Melbourne, FL
Bachelor of Technology in Artificial Intelligence   Aug 2019 - Apr 2023
Vidya Jyothi Institute of Technology, India