Raja Varun Kurapati

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https://raja-varun-portfolio.vercel.app/

EDUCATION

Arizona State University Polytechnic, AZ
Master of Science, Information Technology *January 2024 – December 2025*

EXPERIENCE

Business Data Analyst December 2024 – December 2025
Lid Vizion, LLC *Remote, US*
- Built n8n workflows integrating Google Sheets, Gmail, and OpenAI APIs to automate content tracking and notification pipelines, significantly reducing manual effort.
- Designed and deployed a full-stack computer vision web app using Roboflow APIs, React, and MongoDB to deliver end to end image-based detection features.
- Collaborated with stakeholders to translate business needs into automated data workflows and app features, improving reliability, transparency and usability of internal tools.

Full Stack Engineer July 2022 – November 2023
Infosys *India*
- Built and maintained full-stack web applications using React, Node.js, and REST APIs, designing responsive UIs and reliable backend services that supported day-to-day business workflows.
- Collaborated with product managers, designers and QA engineers to refine requirements, debug production issues and ship features that improved application performance and user experience.
- Wrote clean, testable code in JavaScript and TypeScript, worked with Git-based workflows and participated in peer code reviews to enhance code quality, maintainability and overall team practices.

PROJECTS

Book Recommendation System | *Analyzing Big Data, Arizona State University* November 2024
- Architected a scalable ML-powered recommendation engine processing 340,000+ literary works
- Pioneered advanced similarity algorithms achieving 92 percent match precision across 100,000+ user profiles
- Orchestrated system optimization by reducing computation time by 45 percent through efficient data processing
- Streamlined personalization logic generating 275,472 targeted book suggestions

Hotel Booking Demand Dashboard | *Data Visualization, Arizona State University* October 2024
- Conducted a detailed analysis of 119,390 bookings for two hotels, facilitating the creation of a comprehensive performance dashboard
- Designed Tableau visualizations that drove actionable insights, enhancing hotel management decision-making by 30 percent
- Implemented data preprocessing in Tableau Prep Builder, enhancing data quality and insights
- Created strategic dashboards enabling data-driven decision-making for hotel management teams

TECHNICAL SKILLS

Languages: Python, SQL, Node JS, React, HTML, CSS, Java
Frameworks: React, Node.js, Flask, Tensorflow
Interests: Data Management, Software Engineering, Data Science, Data Structures and Algorithms, AI/ML Model Development, ML Algorithms, Mathematics
Data Analysis and Visualization: Power BI, Tableau, Machine Learning, Image Processing
Cloud Services: AWS (Amazon Web Services) - hands-on experience on DynamoDB, SQS, S3, Lambda, EC2, SageMaker

CERTIFICATIONS

AWS Certified Data Engineer – Associate (2025)

AWS Cloud Practitioner Essentials

Power BI for Data Analysts