Gutta Sri Vardhan Reddy

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Summary

Early career full-stack developer with hands-on experience in building robust RESTful APIs and enhancing frontend performance. Successfully implemented scalable ETL pipelines, reducing processing time by 40%, and developed machine learning models improving accuracy by 20%. Eager to leverage proven skills in software development and data engineering to contribute to innovative solutions at the target organization.

Education

University of Central Florida, Orlando, FL — **May 2027**
Master of Science, Computer Science (GPA: 4) — *Florida*

KL University, Hyderabad, India — **Aug 2021 - May 2025**
Bachelor of Engineering, Computer Science (GPA: 9.23/10) — *Hyderabad*
- **Coursework:** Distributed Systems, Data Structures & Algorithms, Operating Systems, Database Systems

Experience

Bramatic | *Full Stack Developer* — **Jun 2023 - Jun 2024**
- Developed and deployed robust, well-designed RESTful APIs using Node.js and MongoDB, supporting 200+ active users and reducing query latency by 25%.
- Enhanced frontend performance by implementing reusable JavaScript components and lazy loading, cutting load times by 1.5s and increasing responsiveness by 30%.
- Actively participated in an Agile/Scrum environment, utilizing Git-based workflows and peer code reviews to cut average bug resolution time by 25%.
- Contributed to migration towards a modular, maintainable microservices architecture, solving complex scaling challenges.

Bramatic | *Software Engineering Co-op/Intern* — **Mar 2023 - Apr 2023**
- Built scalable ETL pipelines in Python and optimized scripts to process over 1 million data rows, reducing preprocessing time by 40%.
- Implemented machine learning models using Python/scikit-learn to achieve an 85% accuracy, improving baseline results by 20%.
- Delivered data-driven insights through visualization dashboards (pandas, Matplotlib), driving key product feature decisions.

Projects

HR-Flow Automation Platform Python (Flask), PostgreSQL, React, Microservices
- Developed a full-stack HR platform that automates the employee onboarding flow, managing permissions, benefits enrollment, and app provisioning (mock Slack/O365 APIs).
- Architected the backend using Python microservices for modularity, handling over 100 concurrent tasks with a verified 99.9% processing success rate.
- Designed a responsive React frontend allowing HR managers to configure workflows in under 90 seconds, mirroring Rippling's value proposition.

Payroll Data Reconciliation Engine Python (Pandas/NumPy), AWS Lambda, S3
- Built a backend service in Python to reconcile payroll and finance data, processing 50,000+ records in under 5 seconds.
- Leveraged Pandas for high-performance data manipulation and implemented data quality checks, reducing discrepancies by 90%.
- Deployed pipeline on AWS Lambda for cost-efficient execution, achieving a 40% reduction in compute costs versus persistent instances.

Centralized IT Asset Management API Node.js, Express, MongoDB, Docker
- Engineered a high-throughput Node.js API for IT asset tracking and allocation, supporting 500+ assets with complex queries.
- Integrated Docker for containerization and deployed microservice on scalable architecture, ensuring 99.95% uptime.
- Implemented role-based access control (RBAC) using JWT authentication, securing 8+ API endpoints.

Technical Skills

- **Languages:** Python, JavaScript (Node.js/Express), C++, Java, SQL, HTML, CSS
- **Full Stack & Backend:** REST APIs, Flask, JWT Auth, WebSockets, Node.js, Microservices, Distributed Systems
- **Frontend:** React, Responsive Design, HTML5, CSS3, Performance Optimization, UI/UX
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **Cloud & Tools:** AWS (Lambda, S3, Cognito), Git/GitHub, Docker, Agile/Scrum, Data Pipelines

Certifications

- AWS Certified Cloud Practitioner
- Red Hat Certified Enterprise Application Developer
- Microsoft Certified: Azure AI Fundamentals