Harsh Raj Jeripothula

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EDUCATION

San Jose State University   San Jose, CA
Master of Science, Artificial Intelligence   *Aug. 2023 – May 2025*
Chaitanya Bharathi Institute of Technology   Hyderabad, India
B.S., Computer Science Engineering   *Aug. 2017 – Aug 2021*

EXPERIENCE

Software Engineer Intern   May 2024 – Aug 2024
CelLink Corporation   *San Carlos, California*

- Built, tested, and deployed a full-stack web application and **GUI** for warehouse management using **Flutter**, **RESTful APIs**, and **Node.js**, which minimized operational disruptions by 95%.
- Diagnosed and documented several key issues with legacy software and drove improvements by conducting code-reviews and enabling solution-focused strategies, including structured **cost analysis** and **failure analysis**.
- Monitored and troubleshot a scalable solution for legacy software by migrating it to cloud architecture using **AWS EC2**, **Load Balancer**, **RDS**, **DynamoDB**, **Amplify**, **Beanstalk**, and **CloudWatch**, initiating a long-term strategy.
- Communicated and collaborated with cross-functional teams to plan and implement key product analysis with interactive dashboards using **Python GUI** software, providing decision makers with key metrics and actionable insights for strategic business objectives.

Data Engineer/ Data Analyst   Aug 2022 – Jan 2023
Merilytics   *Hyderabad, India*

- Optimized 80% of **ETL** processes by developing scalable, production-grade pipelines and migrating clients' on-premise data warehouses to **cloud platforms AWS**, **Azure**). Leveraged **C#**, **Python** and **SQL** expertise to automate data transformations, improving data processing speed by 50% and ensuring 99.9% data accuracy.
- Automated cloud integrations for diverse platforms, providing continuous improvements and monitoring systems support that reduced downtime by 40% across multiple **CI/CD pipelines**.
- Led a cross-functional team in creating data-driven strategies for underperforming products, using **root cause analysis** and **predictive modeling**. Applied **machine learning** algorithms (e.g., **regression analysis**, **clustering**) to personalize marketing efforts, resulting in a 30% increase in sales and 20% higher customer retention.

LEADERSHIP EXPERIENCE

Founder CEO (Full Stack Developer)   Aug 2021 – Aug 2022
Cineast   *Hyderabad, India*

- Developed a cross-platform mobile application using **Flutter**, **Swift** for **Android** and **iOS**, achieving a one-month development cycle and garnering 4,000+ downloads on **Google Play Store**, demonstrating effective project management and user engagement metrics.
- Worked with users to analyze the requirements of software and implemented features improving the user retention by 75%.
- Managed a team of 4 developers implementing agile project management strategies, effectively prioritized deadlines, and deliverables resulting in 20% growth in key global customers. Cultivated a dynamic team environment that excelled in time-sensitive problem solving.

SKILLS

Languages: Python, Java, C/C++, Go, C#, Kotlin, SQL, JavaScript, HTML/CSS, R
Frameworks: Spark, Hadoop, React, Node.js, Express, Flask, Swift, Django, Flutter, Material-UI
Software Technologies: .NET, SSIS, ODI, PostgreSQL, MySQL, SQL Server, MongoDB, REST APIs, Linux, Git, Docker, Kubernetes, Terraform, Tableau,Spring Boot, Excel, AWS EC2, Amplify, RDS, Aurora, Route53
Libraries: Pandas, NumPy, Matplotlib, PyTorch, Sklearn, Tensorflow, pyQT