Hemanth Sai Gokarakonda

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Education

California State University Long Beach — Aug 2022 - May 2024
Master of Science in Computer Science (GPA: 3.40 / 4.00) — *Long Beach, CA*

Certifications: Salesforce Certified Administrator, AWS Solutions Architect Associate, AWS Data Engineer Associate, Automation Anywhere Certified RPA Professional, Wipro Digital Readiness Program, MTA Security Fundamentals

Work Experience

Optum - UnitedHealth Group — Feb 2022 – Jul 2022
Associate Software Engineer - II
- Led the design and deployment of Cloud-based data pipelines using Python, AWS S3, Lambda, and Glue to process and transform healthcare data, improving data accessibility by 40%.
- Developed and maintained full-stack web applications, REST APIs using JavaScript, React, Java and Node.js, improving system performance by 25%.
- Designed and implemented advanced data visualizations in Tableau to track KPIs, increasing insight accuracy by 30%.
- Improved reporting accuracy through robust data quality management practices, enhancing trust by 20%.

Accenture - CommonWealth Bank — Jun 2021 – Feb 2022
Application Development Associate
- Optimized ETL/ELT pipelines with Informatica and DataStage to process 1M+ financial datasets from multiple sources, enhancing processing speed by 20% and reducing runtime errors by 15%.
- Wrote complex SQL and Python scripts for data modeling and integration, reducing query response time by 40%.
- Conducted root-cause analysis on complex data sets, providing actionable insights that reduced recurring production issues by 25%.
- Mentored junior developers and led stakeholder engagement for technical planning sessions.

Amity Technologies — Jun 2020 – Jun 2021
Associate Developer
- Developed scalable software solutions with Java, Python and AWS, improving application performance by 15%.
- Enhanced front-end systems using React, HTML/CSS, JavaScript, and integrated RESTful APIs, resulting in a 15% improvement in user experience.
- Designed automation scripts using Python and PowerShell, minimizing manual workload by 50%.

Projects

Tune Therapy | *Python, Oracle, Jupyter, NLP, Pandas*
- Developed an NLP-based deep learning model using XGBoost, LSTM, and Python for mood prediction from music playlists.
- Achieved 93% test accuracy Preprocessed and trained the model on over 500,000 songs, leveraging deep learning frameworks such as TensorFlow and PyTorch.

DeliDash | *Object Oriented Programming, Java, Office, SQL*
- Developed a Java-based food delivery system using OOP principles and key design patterns, improving maintainability and scalability by 25%.
- Implemented a notification system and multi-payment integration in DeliDash, reducing order processing time by 20% and increasing customer satisfaction by 15%.

Technical Skills

Programming Languages: C, Python, SQL, Java, JavaScript, ReactJS, HTML5/CSS, Node.js, UNIX/Linux.
Technologies:Algorithms, Data Pipelines, Git, AI, NLP, Pandas, OOP, Spring Boot, Predictive Modeling, NumPy, Scikit-learn, Matplotlib, PowerShell, Relational Databases, REST APIs, JIRA, Troubleshooting, XGBoost, JSON, Splunk, ServiceNow, RPA, IT Asset Management, Testing, Agile, SDLC, ITIL, CI/CD, Jupyter.
Database: MySQL, RDBMS, PostgreSQL, Oracle, Informatica, DataStage, ETL/ELT, Snowflake, NoSQL, Tableau.
Cloud Technologies: AWS (Lambda, DynamoDB, Cognito, S3, EC2), Azure, Docker, Jenkins, Terraform.