

Hemanth Sai Gokarakonda

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Education

California State University Long Beach

Master of Science in Computer Science

Aug 2022 - Jun 2024

Long Beach, CA

Certifications: Salesforce Certified Administrator, Salesforce AI Associate, AWS Solutions Architect Associate, AWS Certified Data Engineer Associate, Automation Anywhere Certified RPA Professional.

Work Experience

Optum - UnitedHealth Group

Feb 2022 – Jul 2022

Associate Software Engineer - II

- Enhanced React, Typescript applications and integrated Java/Spring Boot for backend, improving overall system performance by 25%.
- Designed scalable applications, ETL pipelines using Python, Terraform, and AWS services to process diverse healthcare data formats, guaranteeing accuracy and availability for downstream analytics.
- Conducted research and analysis to drive innovation and insight discovery in healthcare technology.
- Worked with cross-functional teams to identify and address engineering challenges in the healthcare domain.

Accenture - Commonwealth Bank

Jun 2021 – Feb 2022

Application Development Associate

- Designed and maintained ETL/ELT pipelines with OLTP/OLAP data warehouses in Informatica to process 1M+ financial datasets from multiple sources, enhancing processing speed by 20% and reducing runtime errors by 15%.
- Built user-friendly interfaces using React.js and JavaScript, ensuring compliance with accessibility standards.
- Optimized Python, SQL scripts and managed PostgreSQL databases, improving data processing efficiency by 40%.
- Provided on-call support for live production systems, resolving issues promptly to minimize downtime.

Amity Technologies

Jun 2020 – Jun 2021

Associate Developer

- Gained hands-on experience with AWS, Python, Terraform for data storage, automation and processing, reducing development, data processing time by 15%.
- Developed full-stack applications with Java and React, enhancing usability and optimizing performance.
- Created analytical tools and dashboards for real-time data analysis, improving data accessibility by 50%.
- Contributed to documentation and knowledge sharing within the organization, ensuring project continuity.

Projects

Library Management System | React, TypeScript, Spring, API's

- Developed a responsive library management application with user and admin authentication, enabling users to browse, search, reserve, and review books while maintaining real-time inventory updates.
- Implemented an admin dashboard to streamline book inventory, reservation approvals, and user query responses, ensuring efficient library operations.

Inventory Optimization and Sales Forecasting | Deep Learning, Pandas, Python, Jupyter, Transformers

- Developed and optimized predictive models using XGBoost, CNN and LSTM, achieving an 83.8% test R^2 for accurate sales forecasting across 132 stores, enhancing inventory planning.
- Implemented an ExplainerDashboard to provide actionable insights, significantly improving inventory decision-making and reducing overstock by 15%.

Technical Skills

Programming Languages: C, Python, Java, JavaScript, TypeScript, React, HTML5/CSS3, Node.js, Linux.

Technologies: Algorithms, Data Structures, pandas, OOP, System Design, NumPy, Microservices, Spring Boot, Automation Anywhere, Scikit-learn, Data Warehousing, SQL Server, SQL/NoSQL, SPA, Salesforce, REST APIs, Visualization, Debugging, ServiceNow, Jupyter, Monitoring, Documentation, Bug Fixing, SRE, CI/CD, OOP, OLTP/OLAP, TDD, Confluence, SSIS, SSRS, Excel, Optimization, Agile, Git, SDLC, LLM fine-tuning, Testing.

Database: MySQL, RDBMS, Oracle, PostgreSQL, Informatica, DataStage, ETL/ELT, NoSQL, Tableau, Power BI.

Cloud Technologies: AWS (S3, Lambda, RDS, Glue), GCP, Docker, Terraform, DevOps.