

GANESH MANIKANTA SWAMY VADLAMURI

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SUMMARY

Motivated graduate with expertise in problem solving through programming, machine learning, and cloud computing. Versatile IT professional with a strong academic background. Effective communicator, problem-solver, and dedicated team player with a knack for thinking out of the box. Demonstrated an entrepreneurial mindset with experience in managing teams to achieve optimal results. Eager to contribute technical and interpersonal skills to software engineering, data engineering, or data analysis.

EDUCATION

MS in Computer Science (3.57/4.00)	Texas State University	San Marcos, Texas	Aug 2022 – May 2024
BTech in Computer Science (8.26/10.00)	Raghu Engineering College	Visakhapatnam, India	Jul 2018 – May 2022

SKILLS

Python, Java, C++, JavaScript, SQL, R, Scala, HTML, CSS, Node.js, Django, Flask, Spring, TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Apache Spark, Git, Docker, Kubernetes, Jenkins, Travis CI, AWS, Azure, Apache Kafka, Apache Flink, Apache Airflow, BigQuery, Apache Hive, Apache HBase, Jupyter Notebook, Git/GitHub, Jira, Confluence, Unit testing (JUnit, PyTest), Test-driven development (TDD), Agile, Scrum, RESTful API design, Shell scripting, Linux/Unix command line.

EXPERIENCE

AWS Cloud Virtual Internship	Amazon Web Services	Remote	Mar 2022 – May 2022
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- Designed and implemented an AWS-based solution, enhancing a customer's data pipeline efficiency, reducing processing time, and improving data reporting accuracy.
- Mastered AWS (EC2, S3, RDS, Lambda) with hands-on experience, showcasing adept problem-solving and analytical skills.
- Successfully completed all aspects of the internship program, including coursework, hands-on labs, and a capstone project.

Grader for CS 2308	Texas State University	San Marcos, Texas	Aug 2022 – Dec 2022
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- Evaluated assignments and coding projects for 63 students, providing detailed guidance to enhance programming skills.
- Assisted students in understanding and debugging their code during lab sessions, prioritizing comprehension of programming concepts while maintaining accurate records for efficient tracking and evaluation.

Business Office Assistant (Data Analyst)	Texas State University	San Marcos, Texas	Jun 2023 – Jul 2023
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- Conducted comprehensive data analysis for outdoor and campus recreation, ensuring accuracy and completeness.
- Managed and tracked expenses for 700 players in intercollegiate matches, ensuring precise financial tracking.
- Developed complex SQL reports, examining departmental expenses totaling approximately \$568,000 over the last two years. Verified Fusion software data meticulously, collaborated on seamless financial transactions, and provided valuable insights to optimize resource utilization and reduce unnecessary expenses.

Graduate Assistant (Collaborative Learning Center)	Texas State University	San Marcos, Texas	Jul 2023 – Aug 2023
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- Executed website modifications in alignment with the supervisor's plan, ensuring seamless integration of updates.
- Implemented HTML, CSS, JavaScript, PHP, and MySQL to update and maintain the CLC Website. Verified changes twice with the supervisor before publishing, ensuring 24/7 accessibility.
- Updated schedules for 16 tutors on the website, guaranteeing accurate and real-time information for students, and concurrently provided excellent front desk services at CLC Lab, efficiently managing administrative tasks.

Graduate Assistant (Success Coach)	Texas State University	San Marcos, Texas	Aug 2023 – Present
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- Facilitated academic success for students on probation by developing personalized goal-setting strategies and individualized roadmaps, resulting in a significant improvement in academic performance and increased student retention rates.
- Fostered an open, communicative environment, addressing academic and personal challenges. Connected students with key campus resources for an enhanced college experience.

PROJECTS

- Weather Forecast App:** Developed a responsive web application using React.js, Redux, JavaScript (ES6), HTML5, SASS, and implemented testing with Jest + Enzyme for accurate weather predictions over the next 5 days.
- Credit Card Fraud Detection using Machine Learning:** Developed a fraud detection system using Python, scikit-learn and data mining, ensuring prompt recognition and prevention of fraudulent transactions, safeguarding customers from unauthorized charges.

CERTIFICATIONS

- NPTEL Certification on “Joy of Computing using Python” from **Indian Institute of Technology**, Ropar with an **Elite** Tag.
- Certified in “**Internet of Things with Machine Learning**” by IEEE, Hyderabad section and CAS (Circuits and Systems Society)

RESEARCH PAPER

- Presented a research paper on "Loan Eligibility Prediction using Logistic Regression" at IEEE (Paper ID: 84, Track: IC3P2022).