Sanjana Gangishetty

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EDUCATION

University of Maryland, College Park - B.S. in Computer Science: Data Science **May 2025**
Minor: Statistics **GPA:** 3.7
Apex Quant, Dean's List, AppDev Club, College Park Scholar, Girls Code It, Bitcamp, Maryland Dhoom
Related Coursework: OOP I & II, Computer Systems, Algorithms, Database Design, AI, ML, Actuarial Mathematics, Compilers

SKILLS

Languages: Java, C, C++, Python, JavaScript, TypeScript, OCaml, Rust, Kotlin, Golang, SQL, HTML, R, Scala
Technologies: Unix, Linux, Object-Oriented Programming, Pandas, Jupyter, PostgreSQL, REST API, JEST, NVDA, Kubernetes
Tools: AWS, SoapUI, Postman, Docker, Minitab, SAS, CI/CD, MS Office, Git, Firebase, Anaconda, Spark, React, Power BI
Certifications: *AWS Certified Cloud Practitioner Certification*, Oracle Cloud Infrastructure Certified AI Foundations Associate

EXPERIENCE

CVS Health | Software Development Engineer June 2025 - Present
- Built enterprise-scale anomaly detection system for financial data management, achieving 95% accuracy while processing millions of financial transactions and reducing monetary errors by 18%
- Architected and deployed a scalable AI-driven conversational platform serving 100K+ weekly users, integrating advanced LLM capabilities that improved user engagement by 20% and accelerated feature delivery by 25%.
- Deployed scalable microservices via REST APIs, accelerating delivery by 25% through agile practices and automated pipelines

NitesOut Entertainment | Full Stack Developer November 2023 - May 2025
- Led end-to-end development of React Native mobile application and customer-facing web platform, architecting secure payment processing systems handling $50K+ monthly financial transactions with zero security vulnerabilities
- Designed and implemented automated notification infrastructure that increased user engagement by 25%, demonstrating ability to build systems that continuously improve operations through intelligent automation.
- Built from scratch a complete ticketing ecosystem with fast turnaround, reducing customer costs by 27% while maintaining enterprise-level reliability and performance.

CVS Health | Software Engineer Intern May 2024 - August 2024
- Rapidly learned and applied cutting-edge ML technologies to transform legacy guided chatbot into intelligent free-form conversational systems, improving accuracy from 85% to 98% through strategic model experimentation.
- Collaborated cross-functionally with product and design teams to balance technical innovation with user experience requirements, delivering solutions that reduced user attrition by 20%.
- Built and integrated RESTful APIs with comprehensive testing frameworks, ensuring 40% improvement in accessibility compliance across regulated healthcare platforms.

Softweb Solutions | Data Analyst Intern May 2023 - August 2023
- Engineered automated reporting infrastructure using cloud tools, reducing analyst time by 30% for financial analytics clients
- Applied advanced analytics to complex operational datasets, delivering actionable insights that drove 12% improvement in client inventory performance and operational efficiency.
- Architected cloud-based scalability solutions supporting future migrations, showcasing a forward-thinking infrastructure design.

UMD FIRE | Genome Computing Project Manager and Lead Researcher August 2022 - August 2023
- Led cross-functional research team in developing high-performance computing solutions for complex biological data analysis, improving processing performance by 25% through innovative algorithmic approaches.
- Optimized distributed computing workflows using C++ and parallel processing techniques, achieving 65% reduction in execution time while maintaining accuracy across large-scale datasets.

George Mason University | Computational Biology Researcher August 2021
- Researched solvent effects in organic reactions with Dr. Kenneth Foreman on ARGO and HOPPER clusters, yielding key insights.
- Used GAMESS on Hopper to optimize reactants/products with B3LYP/6-31G+ and QM/MM in NWChem, improving transitions.
- Streamlined simulation workflows to automate steps, cutting compute time 15% and speeding experimental design cycles.

Girls Code It | Founder September 2020 - May 2024
- Founded and scaled technology education non-profit serving 300+ participants, designing curriculum that led 75% of participants to pursue advanced STEM projects.
- Built sustainable organizational infrastructure and mentorship programs, demonstrating ability to create lasting impact through systematic approach to complex challenges.

Best Brains Learning Center | Coding Mentor November 2021 - Present
- Provide technical instruction and mentorship, developing strong communication skills essential for collaborative agile development and cross-functional team leadership