

# VENKATA SAI KRUTHI VAISHNAVI POTTURU

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## EDUCATION

TEXAS TECH UNIVERSITY – M Sc in COMPUTER AND INFORMATION SYSTEMS	GPA:3.5/4.0	MAY 24
GITAM UNIVERSITY– B Tech in Computer Science	GPA:8.45/10.0	MAY 21

## SKILLS

**Programming Languages:** C, C++, Python, Java, JavaScript, HTML, CSS, Kotlin

**Database:** MongoDB, MySQL, NoSQL, Snowflake

**Tools and Technologies:** AWS (S3, EC2, IAM, Lambda, Redshift, CloudWatch, Step Functions), Google Cloud, Docker, Jenkins, Git, Postman, Azure, AI chatbots, GitHub, Docker, Jenkins, AWS CLI, Terraform, DBT, Snowflake, ELT Processes, Insurance Domain Knowledge,VBA

**Libraries and Frameworks & Other:** React, Angular, open API, Matplotlib, NumPy, pandas, Node JS, XML, AWS,IceBerg,Typescript, Power BI,Full Stack Development, Architectural Design, CLI, Database Development, Design Patterns, I/CD tools, Apache , GitHub, Scrum, SNS, Software Systems, SQS, Sync, Toolsets, VPC.

## EXPERIENCE

### Extern, Happy Sneeze

JUN 24 – SEP 24

New York, USA

- Utilized Python and advanced data analysis techniques to conduct in-depth consumer research on menopause trends, achieving a 15% boost in consumer targeting accuracy within 3 months, demonstrating proficiency in Information manipulation and ETL processes.
- VBA was used to automate data processing and reporting workflows, resulting in a 30% reduction in human labor and a 25% increase in operational efficiency and prompt decision-making.
- Spearheaded comprehensive outreach and remote presentations to cross-functional teams, enhancing communication and public speaking skills, and delivering actionable insights that led to a 20% improvement in decision-making processes over a 4-month period, showcasing effective collaboration and problem-solving abilities. Decision-making by 20% over a 4-month period.

### Graduate Assistant, Texas Tech University

SEP 22 – MAY 24

CHICK-Fil-A, Lubbock, USA

- Developed and deployed end-to-end applications using JavaScript, React.js, and Node.js, optimizing performance by 15% through backend integration with AWS Lambda and DynamoDB. Implemented AWS Cloud architecture by creating serverless solutions using AWS Lambda, API Gateway, and S3,Redshift, reducing application latency by 20%.
- Implementing automated testing and risk management procedures enhanced SDLC procedures and resulted in a 15% decrease in development errors.
- Carried out extensive study on technology compliance, evaluating how changing IT and financial regulations worked together with consultants to develop and put into place mechanisms that complied with legal requirements and industry norms.
- Analysed, designed, and developed computer software for hospital and restaurant management systems, resulting in a 20% improvement in overall system efficiency. Improved innovative client-side and server-side caching techniques, reducing server load by 40% and enhancing site responsiveness and user engagement by designing and optimizing **cloud architecture** with **AWS Lambda, S3, and VPC** configurations.

### PROGRAM ANALYST, Cognizant

JAN 21 – JUL 22

Hyderabad, INDIA

- Optimized Facts, analysis and reporting processes by employing Power BI for real-time insights, achieving a 10% boost in performance throughput and elevating database mapping precision to 87% within a fortnight.
- Developed and deployed a full-stack timesheet web app** using **Node.js** for backend integration, enhancing user experience by utilizing technologies such as **React, Angular, JavaScript, MySQL, Java, and Python**, resulting in a 20% improvement in operational efficiency.
- Implemented AWS services** (EC2, RDS, S3) to optimize data storage and retrieval, improving overall performance and reducing database mapping errors by 87% within two weeks, aligning with cloud infrastructure and **AWS expertise**.
- Utilized **GitHub** for version control and code collaboration, ensuring streamlined code review processes.

## PROJECTS

### AWS CLOUD ARCADE

AUG 24 – OCT24

- Developed and deployed **gaming applications** with **serverless architecture**, optimizing performance with **SQS, SNS,** and **VPC** for real-time multiplayer experiences.

### Gamma and Gemini Machine learning data model with Google/AWS Cloud

MAY 24 – JUL 24

### Google code Vipassana Season 6

- Built and optimized ML models for Q&A systems using Google Cloud, Big Query, and AWS.

## Certifications and Licenses

- AWS Certified Cloud Practitioner ,IBM Data Analyst**
- Data to AI by Gamma and Gemini by Google code developer groups, Merit Scholarship by Texas Tech University.**