

G V S ABHISHEK VARMA

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TECHNICAL SKILLS

Programming Languages	Python(Certified), R, Java, SQL, NoSQL, HTML, CSS.
Certifications	AWS Certified Solutions Architect, Azure Certified Developer, Azure Security Analyst
Tools	Git, GitHub, Linux/Unix Systems, Networking (TCP/IP, DNS), Docker, MongoDB.
Platforms	Amazon Web Services(AWS), Microsoft Azure and Fabric, GCP.
Courses	Akamai Network Engineer / Support, Google IT Support, Google Data Analytics.
Company Training	Amazon ML School 2023, Microsoft Certified Project Contributor / Azure Admin.
Services	S3, EC2, IAM, CloudFront, Route53, Lambda, ELB, EBS, Gateway, RDS
Others	BOTO3, azure-mgmt-, PySpark, Azure Functions, VM, APP Services, Storage.

EXPERIENCE/VOLUNTEERING

Microsoft Learn Student Ambassador	July 2022 - Now
Microsoft	<i>Virtual</i>

- Discovered and reported 30+ bugs in Microsoft products, enhancing user experience for millions of customers.
- Authored and improved the Microsoft Learn documentation, making it more user-friendly and informative.
- Certified Microsoft trainer, educating individuals on Microsoft technologies like Azure, Git and Security.
- Troubleshooting and solving technical issues related to Microsoft products and cloud services.

Web Developer Intern	Jan 2022 - Mar 2022
THE SPARKS FOUNDATION	<i>Virtual</i>

- Built a scalable and interactive website for a banking demo using AWS and Azure, resulting in a 4X improvement in server response time by using S3 bucket and CDN (Content Delivery Network).
- Gained experience in systems administration, automation, and cloud infrastructure.

EDUCATION

B.Tech in Computer Science, Maharaj Vijayaram Gajapathi Raj College of Engineering(A) Jan,2021 - May,2024
Relevant Coursework: Database Management Systems, Object Oriented Programming, Software Development, Design and Analysis of Algorithms, Computer Networks, Operating Systems, Data Structures and Algorithms, Mathematics for Computer Science, Switching, Routing and Wireless Essentials.

Additional Course Work: Cisco Certified Network Associate, Cisco CyberOps Associate, AWS Academy's Data Engineering and Machine Learning Foundations, AWS Cloud Architecting.

PROJECTS

Cloud GeoLocator.

- Developed Cloud GeoLocator based on APIs[Python] using Azure function App and AWS Lambda, capable of handling over 10,000 requests per second, resulting in improved real-time data analysis. Used S3, Azure file Storage.
- Enhanced data analysis with identification techniques for significant insights across multiple applications.([Github](#))
- Paper published in Springer Nature.([Springer](#))

CloudSec HierarchSSL

- Utilized Python and SSL to improve data safety and security with IAM-based authentication.
- Implemented CloudSec HierarchSSL, enhancing data security in the cloud/applications through novel access control systems. ([Github](#))

Analyzing Movie Royalties

- Developed a novel approach for evaluating movie royalties using pandas, numpy, and matplotlib to streamline royalty calculations and visualizations by AWS SageMaker and Azure ML Studio.
- Created modern quantile analysis algorithms for runtime and votes, ads, IMDB rating, redefining royalty allocation decisions for film projects, and improving revenue potential. ([Github](#))

EXTRA ACTIVITIES

- Startup Founder: Data Science & Cyber Security based which is an member of Microsoft for Startups, I lead the development and implementation of innovative solutions in data science and cybersecurity. By collaborating with industry experts and leveraging Microsoft resources, I drive startup growth and innovation.
- Published Research Papers: Published novel research papers in cloud computing, data science, and cybersecurity, contributing to the community's knowledge on emerging technologies and methods. ([Google Scholar](#)).
- Demand Prediction Model: Developed and deployed a demand prediction model for insurance companies using XGBoost on Azure, served using Flask (Python), and evaluated using the OpenAI API for personalized query responses.
- Amazon ML School (2023): Trained in supervised learning, deep neural networks, dimensionality reduction, unsupervised learning, probabilistic graphical models, sequential learning, causal inference, and reinforcement learning.
- Team Leadership: Led a team of five in developing a new product, resulting in positive feedback from stakeholders and within budget.
- Problem Solving and DSA: Solved problems on [Leetcode](#), Codechef and Hackerrank.