

# G V S ABHISHEK VARMA

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## TECHNICAL SKILLS

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

## EXPERIENCE/VOLUNTEERING

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<b>Microsoft Learn Student Ambassador</b>	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.

<b>Web Developer Intern</b>	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

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**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, Computer Networks, Operating Systems, Data Structures and Algorithms, Design and Analysis of Algorithms, Mathematics for Computer Science, Switching, Routing and Wireless Essentials.

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

## PROJECTS

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### 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

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- 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.