V S ABHISHEK VARMA G

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Skills

C++ | C | Java | Python (Certified) | Machine Learning | JavaScript | MongoDB | MySQL | Git | R | Linux | Excel | Data Science

Certifications - credly.com/users/varma59/

Azure Developer Associate | Azure Administrator |Azure Security Analyst | AWS Cloud Practitioner | AWS Solutions Architect

Education

Maharaj Vijayaram Gajapathi Raj College of Engineering, India **2020 - 2024**

- Computer Science | CGPA: **8.02** (expected)

  Database Management System, Object-Oriented Programming, Software Development, Computer Networks, Operating Systems, Data Structures and Algorithms, Design and Analysis of Algorithms, Web applications, Technical documentation.

  Soft Skills: Collaboration, Communication, Planning, Teamwork, Time Management, Leadership.

Experience

Microsoft | Microsoft Learn Student Ambassador **Jul'22 - Jul'24**

- Identified and reported bugs (30+) in Microsoft products, including Azure, Fabric, Teams, and GitHub.
- Authored and enhanced articles on Azure Services for Microsoft.
- Microsoft Learn Student Ambassadors Student Trainer.

THE SPARKS FOUNDATION | Web Dev Intern **Jan'22 - Mar'22**

- Utilized Microsoft Azure to deploy a scalable and interactive website for a banking demo, assessing user experience through server response by 2X.

Projects

Cloud Geolocator: **Feb'23**

Created a highly scalable and robust Cloud Service using APIs and Python. Implemented a trigger mechanism to capture IP addresses and timestamps seamlessly upon API access. The project is hosted on Microsoft Azure, guaranteeing a secure environment. Furthermore, integrated country identification enhances data analysis and provides valuable insights -> LINK

Cloud Sec HierarchSSL: **Dec'22**

Designed hierarchical SSL/TLS certificate management for organizations, ensuring granular access control and improved cybersecurity. Utilized Python for secure IAM-based authentication, bolstering data protection. Enhances privacy by granting access to specific features based on client SSL verification. -> Link

Credit Card Fraud Detection:

Developed and implemented a machine learning-based fraud detection system for credit card transactions that reduced fraud losses by 15% while maintaining a low false positive rate. Used Microsoft Fabric to build it using azure datalake for data storage. Presented findings in an International Journal. -> LINK

Academic and Extracurricular Achievements

- Trained directly by Amazon (Amazon ML School 23) on supervised learning, deep neural networks, dimensionality reduction, unsupervised learning, probabilistic graphical models, sequential learning, causal inference, and reinforcement learning.
- Engaged in research paper writing and project development within the domains of Cloud Computing, Data Science, and Cybersecurity. 3+ Papers Published. - LINK
- Worked on A demand prediction model that gives out a prediction for a type of medicine. It uses xgboost as the main model. The model is deployed on Azure and served using flask (Python) for Microsoft.
- Used Systems development life cycle (SDLC) and Agile methodologies to deliver high-quality software on time and within budget, while ensuring customer satisfaction.