

Aryaman M Singha

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[LINKEDIN](#) • [GeekForGeeks](#) • [GitHub](#)

OBJECTIVE

Motivated Computer Science graduate seeking an Azure L1 Engineer role. Proficient in Azure services, virtualization, and cloud infrastructure. Eager to support cloud operations, troubleshoot issues, and contribute to scalable, secure deployments in a fast-paced, customer-focused IT environment.

WORK EXPERIENCE

InterPe

Frontend Developer Intern

4th November 2024 – 21st April 2025

- Collaborated with two developers to build a robust unit testing infrastructure for a client web application, resulting in an 11% month-over-month reduction in reported bugs.
- Partnered with in-house designers to revamp a Magento-based website using HTML, CSS, and JavaScript, enhancing mobile responsiveness and boosting customer engagement by over 8%.
- Designed an intuitive, modern UI website using React.js and Figma, focusing on responsive layouts and seamless user experience.

Projects

Deployed Load-Balanced Multi-VM Web Server Architecture on Azure Using IIS and Apache2 - [LINK](#)

- Provisioned and configured cross-platform virtual machines (Windows and Linux) on Microsoft Azure, ensuring high availability and performance.
- Installed and managed IIS (Windows) and Apache2 (Linux) web servers to serve distinct dynamic HTML pages on each VM.
- Implemented Azure Load Balancer with custom health probes and backend pools to intelligently route traffic across both VMs via port 80.
- Configured inbound/outbound rules, NAT, and NSG to enable secure HTTP access while troubleshooting port mapping and firewall issues.
- Tested end-to-end connectivity using PowerShell, Cloud Shell, and browser-based validation with dynamic response verification.
- Tech Stack: Microsoft Azure, Azure Load Balancer, Windows Server, Ubuntu, IIS, Apache2, HTML, Bash, PowerShell, NSG, RDP, SSH

Securing File Storage Using Hybrid Cloud – [LINK](#)

- Built a networked, cloud-based file storage platform ensuring secure, reliable access and database management using React.js and Firebase.
- Developed dynamic frontend components to enhance user interaction, leveraging strong analytical and problem-solving skills.
- Implemented user authentication, secure access controls, and scalable design adhering to strict quality standards and security policies.
- Deployed on Vercel and managed workflows using GitHub for version control.
- Tech Stack: React.js, Firebase, HTML, CSS, JavaScript, GitHub, APIs, Vercel

SKILLS

Cloud Platforms & Services: Azure CLI, Azure Resource Manager (ARM), Azure Virtual Machines, Azure App Services, Azure Functions, Azure Blob Storage, Azure Key Vault

Infrastructure & Networking: Virtual Networks (VNet), Subnets, NSG, Azure Load Balancer, VPN Gateway, DNS, IP Addressing, Azure Firewall

DevOps & Automation: Azure DevOps, CI/CD Pipelines, Terraform (IaC)

Monitoring & Security: RBAC, IAM

OS & Virtualization: Windows Server, Linux, VMSS, Azure Bastion

Interpersonal Skills: Troubleshooting, Communication, Problem-Solving

EDUCATION

Bachelor of Computer Science and Engineering, Chandigarh University, Punjab, India

CGPA: 7.89 / 2021 - 2025

ACHIEVEMENTS & CERTIFICATION

- Achieved 365 Days Leetcode Bedge - [Certificate](#)
- Published Research Paper on International Journal for Multidisciplinary Research (IJFMR) - [Certificate](#)
- AWS Academy Graduate – AWS Academy Cloud Foundations - [Certificate](#)