

# Shailesh Pathak

Thane, MH

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Detail-oriented individual with a strong interest in Cloud Networking and DevOps. Proven ability to lead teams in processing and managing large volumes of work without compromising service or quality. Possesses both volunteering and professional experience and is eager to learn and experiment with new technologies to enhance the efficiency of today's solutions.

## Professional Experience

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- **Graduate Trainee Engineer (Multi Cloud) at NTT Data Inc. 2023-Presently**
  - Managed Identity and Access Management (IAM) for Azure and AWS.
  - Created Virtual Private Clouds (VPC) in AWS.
  - Utilized Infrastructure as a Code (IaC) tools, including Terraform and AWS CloudFormation.
  - Created Auto scaling on AWS and Azure for firewalls, proxies etc. running on EC2/VM
  - Performed network troubleshooting, including firewall rule management and network connectivity issues.
  - As a GTE got the opportunity to lead and train a team of L1s with day to day tasks in networking and troubleshooting.
  - Using my Python knowledge implemented a backup process and command pusher script for 2000+ cisco network switches in one go saving 100+ hours cumulative.
- **Founder at THGaming.in (Self) - 2017-2019**
  - Established and managed a game server community and hosting services.
  - Set up cloud infrastructure, including compute units and storage for game servers.
  - Utilized MariaDB with phpMyAdmin for SQL database management.
  - Configured and maintained cron jobs for game updates.
  - Developed and managed the community website and forum using IPB and Xenforo.
  - Used various cloud providers such as DigitalOcean, Linode, Hetzner, AWS, and GCP.
  - Implemented native firewall rules and managed Docker containers.
  - Applied knowledge of OSI layers, TCP/IP model, UDP, SQL, and Linux terminal.

## Volunteering Experience

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- **President of Rotaract Club of K.C. College of Engineering - 2021-2022**
  - Led club directors and members towards accomplishing club projects, including professional development, community service, entrepreneurship development, and digital communications.
  - Directed a team of 66 members and completed 89 projects during tenure.
  - Improved club ranking from 39th to 27th in Thane District.
- **Chairman Human Resources and Development along with Director of Creatives and Digital Communications. - 2020-2021**
  - Invited and managed members who volunteered for RCKCCOE.

- Developed and maintained member information in a centralized database.
- Planned and executed various activities to keep members active and engaged.
- Attended district Rotaract HRD meets.
- Planned and executed the club website for the tenure.
- Designed and posted flyers on various club social channels using Adobe Photoshop and Canva.
- Organized various E-Sports events for college and club members.
- Was a part of Rotaract since 2019

## EDUCATION

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- **Bachelor of Engineering** – Electronics and Telecommunications from K.C. College of Engineering and Management Studies and Research, Thane **2023**

## SKILLS & Hobbies

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### Skills:

- Programming Languages: HTML, CSS, PHP, Python
- DevOps Tools: CI/CD, Jenkins, Docker, Terraform, AWS CloudFormation
- Cloud Providers: AWS, Azure, DigitalOcean, Linode, Hetzner
- Networking: Routing, Switching, SD-WAN, Firewall rules, VPC creation, Network troubleshooting
- System Administration: Proxmox, RAID, NAS, Microsoft 365, Cloudflare Zero-Trust Framework, LXC Containers, Microsoft Entra ID
- Currently preparing for AWS Solutions Architect – Planned exam date (20 August 2024)

### Hobbies and HomeLAB:

- HomeLAB/HomeDataCenter setup with Type 1 Hypervisor (Proxmox), Firewall + Router (OPNSense), VMs, and Docker containers for various services.
- Running own DNS server using Pi-hole and managing DNS with Cloudflare for Domains.
- Home networking using managed switch, VLANs, and firewall rules for inter-VLAN communication with dual failover WAN.
- Centralized Docker management using Portainer.
- Monitoring infrastructure using Netdata.cloud and Uptime Kuma with email alerts for affected services ([uptime.pathak.biz/status/all](https://uptime.pathak.biz/status/all)).
- Implementing Zero Trust Architecture (ZTA) using IDP (Authentik for OIDC) self-hosted.
- Deploying projects on various cloud service providers such as DigitalOcean, AWS, Hetzner, and others for blog ([blog.pathak.biz](https://blog.pathak.biz)) and various self-hosted services.