

# ABHISHEK SINHA

Hyderabad • +91-8271402619 • 3327abhishek@gmail.com  
[LinkedIn](#) • [GitHub](#)

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## SUMMARY

DevOps Engineer with 3 years of IT experience, delivering solutions in cloud automation, monitoring, and operations. Worked closely with the Microsoft team to support the Renault-Nissan Alliance (RNA) on Microsoft Connected Vehicle Platform (MCVP). Recognized for impactful automations that reduced manual effort, helped meet SLAs, and improved reporting and team performance.

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## WORK EXPERIENCE

### DevOps Engineer – Bosch Global Software Technologies

June 2024 - Present

- Worked closely with cross-functional module owners to validate dependencies and ensure successful end-to-end deployments in complex environments.
- Created a DevOps pipeline to automatically renew expiring certificates across relevant Azure resources, eliminating manual intervention. This reduced operational overhead and prevented service disruptions caused by certificate expirations.
- Oversaw major deployments and frequent change releases, coordinating with cross-functional teams to ensure stable, on-time delivery in line with organizational release practices.
- Created an automation workflow within Azure DevOps release pipelines to manage AD group access, ensuring consistent access control, eliminating manual errors, and maintaining traceability.
- Delivered DevOps knowledge transfer (KT) sessions to the Nissan team, our end customer, to enable smooth handover, understanding of automation workflows, and adoption of deployment practices.
- Experienced in working with ARM and Bicep templates for IaC (Infrastructure as Code)

### Incident & Monitoring Engineer – Bosch Global Software Technologies

Sep 2022 - May 2024

- Developed multiple automation solutions using PowerShell, Azure Automation, and Power Automate to streamline repetitive operational tasks, reduce manual errors, and ensure 100% SLA compliance. Automated end-to-end incident triaging, Azure DevOps work item creation, and certificate lifecycle management—resulting in significant effort savings.
- Conducted RCA and ensured continuous improvement in monitoring workflows.
- Contributed to the creation and configuration of alerts using Azure Monitor and custom solutions like Azure Function Apps to enable proactive incident detection and response.
- Helped diagnose and resolve issues in Azure Function Apps and Automation Runbooks, improving reliability and reducing downtime in alerting and automation processes.
- Delivered knowledge transfer (KT) sessions for new team members joining the Monitoring and Operations (MonOps) team, helping them ramp up quickly and effectively contribute to project goals.
- Built Power BI dashboards for real-time team effort tracking and SLA monitoring.

## IoT Developer Intern – Bosch Global Software Technologies

Feb 2022 - May 2022

- Contributed to the initial planning and design of a Smart Mirror project, defining system components and user interaction flow.
  - Used Flask in the early development phase to visualize outputs and test core logic.
  - Assisted in developing the Smart Mirror, integrating Natural Language Processing (NLP) and Computer Vision to provide users with real-time voice and gesture-based feedback.
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## EDUCATION

### Bachelor of Technology (B.Tech) – Computer Science and Engineering

July 2018 - July 2022

Lovely Professional University

- Specializing in MERN stack (MongoDB, Express.js, React, Node.js) for full-stack web development
  - Gained a strong foundation in software engineering, cloud computing, and automation
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## TECHNICAL SKILLS

- **Cloud & DevOps:** Azure DevOps, Azure Automation, Azure PaaS, Azure IaaS, ARM & Bicep Templates, Terraform, YAML
  - **Scripting & Automation:** PowerShell, Power Automate, Power BI
  - **Containers & Orchestration:** Docker, Kubernetes
  - **Web Development:** MERN Stack (MongoDB, Express.js, React, Node.js)
  - **Programming & Databases:** SQL, Python, Java
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## ADDITIONAL INFORMATION

**Languages:** English, Hindi

**Certifications:** Microsoft Certified: Azure Fundamentals (AZ-900)

**Awards & Recognition:**

- Received multiple recognitions for impactful automations that reduced manual effort and enhanced operational efficiency
- Honored with the "Geek Award" at Bosch Global Software Technologies for technical excellence