

# SHOBHIT KUMAR GANGWAR

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## EDUCATION

Kristu Jayanti College Autonomous, Bengaluru, Karnataka 2018-2021  
Bachelor's of Computer Application

## TECHNICAL SKILLS AND COURSEWORK

- **Languages/Technologies:** Python, C, C++, Java, HTML
- **VAPT:** Web Application, Android, iOS, API, Network, Thick Client, Thin Client, Microservices
- **SOC Tools:** Azure Sentinel, Crowdstrike, LogRhythm, Splunk, Fortinet
- **Software and IDE Tools:** BURP Suite, NMAP, Visual Studio Code, WireShark, Postman, Nuclei
- **Databases and Server:** SQL Server, Oracle 9/10g, JDBC, MongoDB, MySQL, Tomcat
- **Operating Systems:** Windows, Linux
- **Reporting Tools:** Confluence, Jira
- **CyberSecurity Skills:** VAPT, SOC, Thread Modelling, SAST, DAST, IAST, EDR, IAM
- **Cloud Technologies:** AWS, Azure, Docker, Jenkins, Kubernetes
- **Soft Skills:** Team Player, Leadership, Curiosity, Problem Solving, Excellent Communication

## WORK EXPERIENCE

**Cloud Security Lead – Securethings.ai Pvt Ltd, Pune** July 2022 – November 2023

- Led cloud security initiatives within the Indian automotive industry, conducting penetration tests on **AWS** and **Azure** environments.
- Identified and remediated **critical vulnerabilities**, including remote command execution and information leakage.
- Implemented robust **API security measures** and developed new rules for **SIEM** tools like **Azure Sentinel**.
- Contributed to the development of a Cutting-Edge **Threat Intel Platform** for Automobiles.

**Security Researcher - Securethings.ai Pvt Ltd, Pune** MAY 2021 – June 2022

- Advanced automotive cybersecurity by identifying and remediating vulnerabilities in web, mobile, and cloud applications.
- Conducted VAPT on dynamic systems including container systems, AWS, and Azure environments.
- Utilized SIEM tools like Azure Sentinel for proactive threat detection and log analysis.

## PROJECTS

**Automated Surveillance System (THE EYE)**

**ROLE – Frontend Developer, Backend Developer, QA Tester, Security Tester**

- Designed and implemented '**THE EYE**', a surveillance system utilizing **Python**, **machine learning**, and **openALPR** technology.
- Leveraged **OpenCV2** for license plate capture from video feeds.
- Cross-referenced extracted license plate data with the RTO (Regional Transport Office) database for real-time **verification**.
- Implemented a **machine learning model** to decode image-based captchas guarding RTO data, enhancing system accessibility.
- Enhanced security by flagging mismatches in registration data, enabling **real-time identification** of suspicious vehicles.

## TRAINING AND CERTIFICATIONS

- eJPT v2 Certification