

# Arjun Khurana

M.Sc. Computer Science Student | IT Support & Security

 erarjun@outlook.com  +49 15510649633  Passau, Germany  LinkedIn  TryHackMe

## EXPERIENCE

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<b>Assistant Systems Engineer</b> <i>Tata Consultancy Services</i>	11/2020 – 11/2021 Chennai, India
<ul style="list-style-type: none"><li>Provided technical support to warehouse management team at US distribution centers, working with Manhattan WMS and resolving system issues across multiple communication channels</li><li>Managed and queried large warehouse databases using Oracle SQL to troubleshoot data discrepancies and support inventory tracking across distribution centers</li><li>Collaborated with international teams to troubleshoot warehouse management applications (WMOS, DOM, SCI), ensuring minimal downtime</li><li>Automated monitoring and reporting tasks using Python and Shell scripting, reducing manual effort by 30% and improving response times</li><li>Analyzed system logs and generated reports using Microsoft Excel, IBM Cognos, and UNIX shell to support data-driven operations decisions</li></ul>	
<b>Technology Consulting Virtual Internship</b> <i>Deloitte</i>	06/2020 – 06/2020
<ul style="list-style-type: none"><li>Built automation scripts for monitoring system performance and generating reports</li><li>Learned to streamline IT workflows and reduce repetitive manual tasks through Python programming</li></ul>	
<b>Software Engineering Virtual Experience</b> <i>JPMorgan Chase &amp; Co.</i>	06/2020 – 06/2020
<ul style="list-style-type: none"><li>Developed frontend web interfaces and established financial data feeds for trading applications using modern web technologies</li><li>Created data visualizations using Perspective library to display real-time financial information for trading desk analysis</li></ul>	

## SKILLS

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<b>Technical Support &amp; Systems:</b> 1st/2nd Level Support   System Troubleshooting   User Onboarding   Windows/macOS/Linux   Microsoft 365   Microsoft Office Suite
<b>Automation &amp; Development:</b> Python   PowerShell   Bash/Shell Scripting   Oracle SQL   Data Analysis   IBM Cognos
<b>Security Operations:</b> SIEM (Splunk)   Threat Detection   Incident Response   Microsoft Defender   Vulnerability Assessment   Security Monitoring   MITRE ATT&CK Framework
<b>Networks &amp; Infrastructure:</b> Network Protocols   Firewalls   VPN   UNIX/Linux Systems
<b>Languages:</b> English (C2)   German (B1)

## EDUCATION

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<b>M.Sc. Computer Science (IT Security)</b> <i>University of Passau</i>	10/2022 – Present
<ul style="list-style-type: none"><li>Relevant Coursework: IT Security, Hardware Security, Secure Computation, Cryptographic Schemes</li><li>Security Lab: Developed machine learning models for identifying vulnerabilities in python source code, working with transformer architectures to improve accuracy and reduce false positives</li></ul>	

- Master's Thesis (in progress): Evaluating ML and transformer models (CodeBERT, GraphCodeBERT) for automated source code vulnerability detection in java, building a platform that scans code repositories and provides real-time security insights

### **B.Tech. Computer Science and Engineering**

*SRM University*

08/2016 – 08/2020

- Built RNN-based image classification model, focusing on data quality and system reliability

## **CERTIFICATIONS**

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### **Google Cybersecurity Professional Certificate**

- Completed hands-on training in threat detection, incident response, and security monitoring
- Gained practical experience with SIEM tools (Splunk) for analyzing security events and investigating incidents

### **SOC Level 1 - TryHackMe**

- Worked through practical SOC operations scenarios including alert triage and threat hunting
- Developed skills in incident documentation and using security frameworks for threat analysis

### **The Modern Python 3 Bootcamp - Udemy**

- Built automation scripts for monitoring system performance and generating reports
- Learned to streamline IT workflows and reduce repetitive manual tasks through Python programming