

Arjun Khurana

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

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EXPERIENCE

Assistant Systems Engineer

11/2020 – 11/2021

Tata Consultancy Services

Chennai, India

- Provided technical support to warehouse management team at US distribution centers, working with Manhattan WMS and resolving system issues across multiple communication channels
- Managed and queried large warehouse databases using Oracle SQL to troubleshoot data discrepancies and support inventory tracking across distribution centers
- Collaborated with international teams to troubleshoot warehouse management applications (WMOS, DOM, SCI), ensuring minimal downtime
- Automated monitoring and reporting tasks using Python and Shell scripting, reducing manual effort by 30% and improving response times
- Analyzed system logs and generated reports using Microsoft Excel, IBM Cognos, and UNIX shell to support data-driven operations decisions

Technology Consulting Virtual Internship

06/2020 – 06/2020

Deloitte

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

Software Engineering Virtual Experience

06/2020 – 06/2020

JPMorgan Chase & Co.

- Developed frontend web interfaces and established financial data feeds for trading applications using modern web technologies
- Created data visualizations using Perspective library to display real-time financial information for trading desk analysis

SKILLS

Technical Support & Systems: 1st/2nd Level Support | System Troubleshooting | User Onboarding | Windows/macOS/Linux | Microsoft 365 | Microsoft Office Suite

Automation & Development: Python | PowerShell | Bash/Shell Scripting | Oracle SQL | Data Analysis | IBM Cognos

Security Operations: SIEM (Splunk) | Threat Detection | Incident Response | Microsoft Defender | Vulnerability Assessment | Security Monitoring | MITRE ATT&CK Framework

Networks & Infrastructure: Network Protocols | Firewalls | VPN | UNIX/Linux Systems

Languages: English (C2) | German (B1)

EDUCATION

M.Sc. Computer Science (IT Security)

10/2022 – Present

University of Passau

- Relevant Coursework: IT Security, Hardware Security, Secure Computation, Cryptographic Schemes
- Security Lab: Developed machine learning models for identifying vulnerabilities in python source code, working with transformer architectures to improve accuracy and reduce false positives

- 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

08/2016 – 08/2020

SRM University

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

CERTIFICATIONS

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