

MOULI DUTTA

She/Her



PROFESSIONAL SUMMARY

Security Engineer with over 1 year of experience in Google Chronicle SIEM, detection engineering, and Python automation. Skilled in use-case fine-tuning, security analytics, and Power BI reporting. Seeking to transition into an AI/ML Engineering role focused on intelligent automation and building data-driven systems.

PERSONAL INFO

- +91 6294616268
- mouliduttawork@gmail.com
- Nadia, West Bengal, India

LINKS

- GitHub - /mouli-dutta
- LinkedIn - /mouli-dutta
- LeetCode - /mouli-dutta

SKILLS

- Python, MySQL, C/C++
- Pandas, NumPy, Matplotlib, Scikit-learn
- Feature Engineering, Supervised & Unsupervised Learning, Neural Networks
- Google Chronicle, YARA-L, Log Analytics, Detection Engineering
- MS Excel, Power BI, Data Modeling, Dashboard Design

WORK EXPERIENCE

Accenture

Full-time, Security Delivery Associate

OCT 2024 – PRESENT

- Designed and optimized 20+ detection use-cases in Google Chronicle (YARA-L), reducing false positives by 30% through rule fine-tuning, log normalization, and MITRE ATT&CK-aligned coverage enhancement.
- Developed Python automation scripts to automate alert enrichment and SOC triage workflows, reducing manual effort by 40% and improving response time.
- Built interactive Power BI dashboards and automated reporting pipelines to track alert trends, detection KPIs, and incident metrics, enhancing leadership visibility and decision-making.
- Handled SOC operations including real-time monitoring, alert analysis, and incident handling using Google Chronicle and ServiceNow.

CERTIFICATIONS

- Machine Learning Specialization by DeepLearning.AI, Feb 2026
- Oracle Cloud Infrastructure 2025 AI Foundations Associate, Jan 2026
- Google Cloud Certified: Associate Data Practitioner, Jul 2025
- Google Cloud Certified: Generative AI Leader, Jan 2025
- Google Cloud Certified: Cloud Digital Leader, Mar 2025
- Microsoft Certified: Security, Compliance, and Identity Fundamentals (SC-900), Mar 2025
- Microsoft Certified: Azure Data Fundamentals (DP-900), Feb 2025

PROJECTS

Automated Email Data Extraction Tool

Tech Stack: Python, Pandas, OpenPyXL, Outlook API, Regex, Tkinter

- Developed automated Python scripts to extract structured data from Outlook emails based on defined subjects and keywords.
- Parsed email body content using pattern matching and exported extracted fields into formatted Excel reports.
- Improved reporting efficiency and data accuracy by eliminating manual extraction processes.

EDUCATION

Master of Computer Applications

University of Kalyani, Kalyani, West Bengal, India

DURATION: SEP 2022 – JUN 2024

GRADE: 85.58%

ACHIEVEMENTS

- Received leadership recognition for developing automation solutions and optimizing detection use-cases.
- Earned performance-based recognition for excellence in Accentures Primers assessment.
- Solved 500+ LeetCode problems to strengthen data structures and algorithmic problem-solving skills.