

Resume

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Profile and Objective

I am a re-entering student of Systems Engineering and Computer Science with proficiency in multiple programming languages and an intermediate-advanced level of English. Although I do not yet have professional experience in a corporate environment, I have developed a solid foundation in Artificial Intelligence, Machine Learning, and Python programming through rigorous academic work and multiple professional certifications.

My competence in software development, data science, and systems administration—combined with practical experience in Linux, automation (Bash and PowerShell), and DevOps workflows—enables me to design, implement, and manage efficient computational environments. I am motivated to apply my skills in research, academic projects, and technologically innovative institutions.

Skills

Technical Expertise

- **Programming Languages:** Python (Advanced), R (Advanced), PHP (Intermediate-Advanced), JavaScript (Intermediate), Perl (Intermediate), Java (Intermediate), C (Intermediate).
- **Web Development:** HTML5 (Advanced), CSS3 (Intermediate), front-end and back-end design.
- **Linux System Administration:** Over ten years of experience with GNU/Linux environments; configuration of web servers (Apache2), OpenSSH servers, cron jobs, and systemd services.
- **DevOps and Cloud Computing:** AWS (EC2, RDS, S3, ECR, Code-Pipeline, etc.), Docker containerization, CI/CD pipelines, automation using Bash and PowerShell.
- **Data Science and AI:** Data cleaning, visualization, statistical modeling, and implementation of machine learning algorithms using Python and R.
- **Other Tools:** Git/GitHub, AWS CLI, boto3, Tor network automation, Qt5 GUI development.

Soft Skills

- Strong analytical and organizational abilities.
 - Ability to communicate complex technical ideas to multidisciplinary teams.
 - Self-motivated, detail-oriented, and committed to continuous learning.
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Experience

Data Cleaning and Automation

Developed multiple automation tools to transform unstructured data (Word, Excel, CSV, and text files) into structured database formats. Implemented automatic correction for common input errors and handled missing or corrupted data using regular expressions and Python scripting.

Web Scraping and Data Acquisition

Created customized web-scraping pipelines for structured data retrieval. In certain projects, developed a Python library (TorUtils) to distribute queries across multiple Tor exit nodes, enabling scalable and fault-tolerant data extraction under API rate limits.

Data Entry Interfaces

Designed both command-line and graphical interfaces for structured data entry and validation, depending on client technical background.

AWS and Cloud Development

Used AWS services for personal and client workflows, automating deployments and CI/CD pipelines. Managed resources via AWS CLI and boto3, focusing on EC2, RDS, S3, and CodePipeline.

Education

Universidad Tecnológica del Perú

Bachelor's Degree in Systems Engineering and Computer Science (7th semester, re-admission 2022–present)

Universidad Nacional del Callao

Completed 139 academic credits toward a Bachelor's Degree in Systems Engineering.

Certifications

DeepLearning.AI (Coursera)

- Deep Learning Specialization (5 courses)

MITx (edX)

- 6.00.1x: Introduction to Computer Science and Programming Using Python
- 6.00.2x: Introduction to Computational Thinking and Data Science
- 6.431x: Probability – The Science of Uncertainty and Data
- 18.6501x: Fundamentals of Statistics
- 6.86x: Machine Learning with Python – From Linear Models to Deep Learning
- Program Record – Computational Thinking using Python
- Program Record – Statistics and Data Science

HarvardX (edX)

- PH125.1x–PH125.7x: Data Science Professional Certificate

Amazon Web Services (AWS)

- AWS Developer – Building on AWS
- AWS Developer – Deploying on AWS
- AWS Developer – Optimizing on AWS
- Program Record – AWS Developer Series

The Linux Foundation

- Introduction to DevOps: Practices and Tools

Google (Coursera)

- IT Automation with Python
- Using Python to Interact with the Operating System
- Introduction to Git and GitHub
- Configuration Management and the Cloud
- Troubleshooting and Debugging Techniques

Microsoft

- Windows PowerShell Basics

KodeKloud

- Kubernetes for the Absolute Beginners – Hands-on
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Languages

Language	Reading	Writing	Speaking
English	Advanced	Advanced	Intermediate-Advanced
German	Intermediate-Advanced	Intermediate	Basic
Spanish	Native	Native	Native

Additional Information

- First place in class ranking (UTP, Lima Centro Campus) before temporary withdrawal.
 - Advanced mathematical background (probability, statistics, and AI-related mathematics).
 - Familiar with agile methodologies (SCRUM, XP).
 - Basic knowledge of SAP ABAP/4 programming.
 - Proficient in collaborative tools (Google Workspace, Zoom, GitHub, AWS Cloud9).
 - Intermediate proficiency in Excel and AutoCAD.
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Selected Projects

- **Local Model Chat Prototype** – Packaged a Jupyter-text-synced Hugging Face BlenderBot pipeline with GPU-safe defaults so cross-platform teams can prototype chatbots entirely offline.

- **Beverage Inventory Revolution** – Delivered a Java Swing logistics desktop app for Oasisdrinks that centralizes stock movements, enforces role-based controls, and replaces spreadsheet reconciliation with real-time inventory views.
- **Culinary Cost Calculator** – Architected a containerized Java + Django suite that lets catering teams simulate multi-day menus, forecast ingredient costs, and deploy securely via Kubernetes.
- **Financial Sales & Rewards Platform** – Built a Spring Boot rewards engine for banking sales teams with JWT-secured APIs, goal tracking, and compliance-ready reporting.
- **Distributed Ticketing System** – Engineered an event-driven microservices stack (Node.js/Next.js, NATS JetStream) delivering resilient ticket sales, automated expirations, and Kubernetes-ready deployments.
- **Tor Circuit Renewal** – Created a Python toolkit that manages multi-circuit Tor automation with health monitoring to keep scraping workloads responsive under blocking.
- **WPA2Tester** – Extended Burp Suite with Python modules to automate WPA2 security testing scenarios for wireless assessments.
- **NewsFeed** – Developed a Python + Qt5 news aggregator that unifies multiple APIs into a desktop dashboard for curated monitoring.