John Doe

Computer Science Student

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EDUCATION

University Name   City, State
Bachelor of Science in Computer Science   *Expected May 2028*

Coursework: Data Structures and Algorithms, Systems Programming, Computer Architecture, Operating Systems, Machine Learning

RESEARCH

Undergraduate Research Assistant   Aug 2024 – Present
Computer Science Department Research Lab   *City, State*

Analyzed structured and unstructured datasets to support exploratory research tasks.

Developed Python scripts to automate data cleaning and preprocessing workflows.

Used R and SQL to compute summary statistics and prepare visualizations for presentations.

PROJECTS

Student Course Enrollment System

Designed a database-backed application for registering, adding, and dropping courses.

Implemented relational schemas and SQL queries to maintain student and course records.

Built a Python-based command line interface to interact with the database.

Public Health Data Analysis

Cleaned and analyzed a CDC dataset using Python (Pandas) and R (dplyr).

Computed descriptive statistics and created visualizations to compare population health trends.

Summarized methodology and findings in a short written analysis report.

System Resource Monitoring Tool (CLI)

Developed a Linux command-line utility in Python to display real-time CPU, memory, and disk usage.

Read system metrics from `/proc` and implemented logging of usage patterns over time.

Packaged the tool with argument flags and a help menu for ease of use.

SKILLS

Languages: Python, R, SQL

Data Tools: Pandas, NumPy, Matplotlib, Jupyter, dplyr

Systems & Tools: Linux, Git, Bash, Docker (Beginner), VS Code