

Neel Patel

Central, SC | (803) 596-9593 | neel101264@gmail.com
neeldpatel.com | linkedin.com/in/neelpatel1016 | github.com/ltzNeel44

SUMMARY

Computer Science student at Clemson University graduating December 2027. Builds and operates real systems outside the classroom — full-stack web applications, REST APIs, and production Linux servers supporting live users. Strong foundation in algorithms, data structures, and software engineering practice.

EDUCATION

Clemson University — Clemson, SC

Expected December 2027

B.A. Computer Science, Minor in Management

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Artificial Intelligence, Computer Organization (ARM assembly), Object-Oriented Programming (C++), Human-Centered Computing

Prior: Dual enrollment credit earned at Orangeburg-Calhoun Technical College

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, SQL, ARM Assembly

Frameworks & Libraries: Flask, React, Vite, Node.js, REST API design, JWT authentication

Tools & Infrastructure: Git & GitHub, Linux (Ubuntu ARM64), Oracle Cloud Infrastructure, SSH, Paramiko, Bash scripting

Engineering Practice: Object-oriented design, debugging and performance profiling, root-cause analysis, test plan authoring, technical documentation

Languages Spoken: English, Hindi, Gujarati, Urdu; conversational Spanish

PROJECTS

Minecraft Server Admin Dashboard — Full-Stack Web Application

2025 – Present

React, Vite, Flask, Python, JWT, Paramiko, Oracle Cloud

- Built the Flask backend exposing REST endpoints consumed by a React front end, handling authentication, server control, and metrics.
- Implemented JWT-based authentication and multi-server profile management for secure, separated access.
- Wrote Python modules using Paramiko to execute remote SSH commands and stream live server health data back to the client.
- Deployed and maintained the application on Oracle Cloud infrastructure alongside the systems it manages.

Linux Server Infrastructure — Oracle Cloud

October 2025 – Present

Ubuntu (ARM64), Bash, iptables, JVM tuning

- Administer two ARM64 Ubuntu cloud servers running continuously in production for an active user base.
- Automated nightly backups and wrote auto-restart scripts, eliminating manual intervention for service recovery.
- Configured firewall rules with iptables and netfilter-persistent to control external access.
- Diagnosed crash and performance issues using profiling tools, tuned JVM parameters, and recovered corrupted user data.
- Migrated the environment to a new instance to resolve unexpected storage billing, reducing recurring cost.

Connect4 Game Series — Software Engineering

2026

CPSC 2150 — four-project sequence

- Extended and refactored a single codebase across four successive projects, adding features and reworking design at each stage.
- Authored formal design documentation and test plans, then executed test cases against the implementation.

EXPERIENCE

Circle K — Clemson, SC

February 2026 – Present

Sales Associate

- Balance 26 hours per week alongside a full-time course load, maintaining consistent attendance and reliability.
- Handle cash, inventory, and vendor deliveries with accuracy in a high-volume location; resolve customer and operational issues directly.

U-Haul — Remote

Prior

Reservations Agent

- Managed customer reservations by phone in a remote, metrics-tracked environment, navigating multiple internal systems under time pressure.

Family-Owned Motel

Prior

- Supported daily front-desk operations, guest check-in, and small-business operations.