**Slide 1: Title Slide**

* **Title**: Server Compliance Check Application
* **Subtitle**: A Python GUI Application to Automate SSH Compliance Checks
* **Author**: [Your Name/Team Name]
* **Date**: [Date]

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**Slide 2: Introduction**

* **Objective**:
  + Automate compliance checks for remote servers via SSH.
  + Generate comprehensive compliance reports in HTML and PDF formats.
* **Key Features**:
  + User-friendly GUI for input.
  + Integration with SSH for server communication.
  + Dynamic HTML reports with sorting, filtering, and export options.

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**Slide 3: Technologies Used**

* **Python Libraries**:
  + **paramiko**: SSH Communication
  + **pdfplumber**: Extract compliance rules from PDFs.
  + **pdfkit**: Export HTML to PDF.
  + **tkinter**: GUI Framework
* **System Requirement**:
  + Python 3.x
  + wkhtmltopdf (for PDF export)

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**Slide 4: Application Workflow**

1. **Input**:
   * Users provide the server's IP address, username, and password via the GUI.
2. **Compliance Rule Extraction**:
   * Rules are extracted from a CIS Benchmark PDF file using **pdfplumber**.
3. **Validation**:
   * The application connects to the server via SSH and validates settings against the rules.
4. **Report Generation**:
   * A detailed HTML report is generated with compliant and non-compliant rows.
5. **Dynamic Features**:
   * Sorting and filtering for all columns in the report.
   * Export options for saving the report as a PDF or HTML file.

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**Slide 5: GUI Features**

* **Fields**:
  + IP Address
  + Username
  + Password
* **Actions**:
  + Run Compliance Check
  + Generate Report
* **Output**:
  + Reports are saved as HTML and optionally exported as PDF.

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**Slide 6: Compliance Report Features**

* **Dynamic HTML Report**:
  + **Sorting**: Clickable headers for ascending/descending sorting.
  + **Filtering**: Input fields under headers to filter rows dynamically.
  + **Export Options**:
    - Save as PDF
    - Download as HTML
* **Styling**:
  + Compliant rows highlighted in light blue.
  + Non-compliant rows highlighted in red.

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**Slide 7: Screenshot of the GUI**

* Include a screenshot of the GUI showing fields for IP, Username, and Password, along with the "Run Compliance Check" button.

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**Slide 8: Screenshot of the Report**

* Include a screenshot of the HTML report showing:
  + Table with compliant and non-compliant rows.
  + Sorting and filtering input boxes.
  + Export buttons.

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**Slide 9: Python Code Highlights**

* **Compliance Rule Extraction**:
  + Use **pdfplumber** to extract rules from the CIS Benchmark PDF.
* **SSH Validation**:
  + Use **paramiko** to connect to the server and validate settings.
* **Dynamic HTML Report**:
  + JavaScript for sorting and filtering.
  + Export functionalities for PDF and HTML.

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**Slide 10: Benefits**

* **Automation**:
  + Reduces manual effort in compliance checks.
* **User-Friendly**:
  + Simple GUI for server validation and report generation.
* **Comprehensive Reporting**:
  + Dynamic, interactive reports with export functionalities.

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**Slide 11: Future Enhancements**

* **Additional Features**:
  + Multi-server compliance checks.
  + Integration with cloud services.
  + Customizable compliance rules.
* **Improved Reporting**:
  + Add visualization (e.g., charts, graphs).
* **Enhanced Security**:
  + Support for SSH key-based authentication.

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**Slide 12: Conclusion**

* **Summary**:
  + A Python-based solution for automating server compliance checks.
  + Dynamic HTML reporting with filtering, sorting, and export options.
* **Call to Action**:
  + Try the application and provide feedback for improvement.

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**Slide 13: Q&A**

* **Title**: Questions & Answers
* **Subtitle**: Feel free to ask about any aspect of the application!

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**How to Create the Presentation**

1. Open Microsoft PowerPoint or Google Slides.
2. Create a new presentation and add slides.
3. Copy the content from each section above into individual slides.
4. Add visuals like screenshots of the GUI and HTML report for better engagement.
5. Apply a professional theme or template for consistent styling.

Let me know if you'd like help with specific visuals, screenshots, or additional details!