

Resume Analyzer Pro - User Manual

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Overview

Resume Analyzer Pro is an AI-powered web application that provides comprehensive resume analysis and feedback. The application uses advanced AI technology to evaluate resumes across multiple dimensions and provide actionable insights for improvement.

Key Features

- **AI-Powered Analysis:** Professional resume evaluation using DeepSeek AI
 - **Multiple Analysis Types:** Comprehensive, Skills, Experience, and Formatting analysis
 - **User Authentication:** Secure user accounts with JWT-based authentication
 - **Analysis History:** Track and manage previous resume analyses
 - **Responsive Design:** Optimized for desktop, tablet, and mobile devices
 - **Real-time Processing:** Instant PDF processing and analysis
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Getting Started

System Requirements

- Supported Browsers: Chrome, Firefox, Safari, Edge
- File Format: PDF files only
- File Size Limit: Maximum 10MB per file
- Internet Connection: Required for AI analysis

Access Methods

1. Web Browser: Navigate to the application URL
 2. Mobile Device: Responsive design works on smartphones and tablets
 3. Desktop Application: Access through any modern web browser
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User Registration & Authentication

Creating an Account

Step 1: Access Registration

1. Navigate to the application homepage
2. Click the "Register" button in the top-right corner
3. A registration modal will appear Step

2: Complete Registration Form

Required Fields:

- Full Name: Your display name
- Email Address: Valid email for login
- Password: Secure password (minimum 6 characters)

Step 3: Account Activation

- Registration is instant - no email verification required
- You'll be automatically logged in after successful registration
- A JWT token is generated for secure session management

Logging In

Step 1: Access Login

1. Click the "Login" button on the homepage
2. The login modal will display

Step 2: Enter Credentials

- Email: Your registered email address
- Password: Your account password

Step 3: Authentication

- Click "Login" to authenticate
- Upon success, you'll be redirected to the main dashboard
- Session token is stored securely in browser local storage

Logout Process

1. Click your username in the top-right corner
 2. Select "Logout" from the dropdown
 3. All session data is cleared
 4. You'll be redirected to the login screen
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Dashboard Overview

Main Interface Layout

The dashboard uses a three-column responsive layout:

Header Bar		
Analysis Controls	Analysis Results	Dashboard & History
[Upload] [Settings]	[Results]	[Stats] [History]

Dashboard Components

1. Statistics Cards
 - Total Analyses: Count of all completed analyses

- Average Score: Mean score across all analyses
- Real-time updates after each new analysis

2. Recent Analyses

- Display last 5 resume analyses
 - Quick access to previous results
 - One-click analysis loading
 - Delete functionality with confirmation
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Resume Analysis Features

Analysis Types

1. Comprehensive Analysis

Purpose: Complete resume evaluation across all dimensions

Evaluation Criteria:

- Overall impression and strengths (25%)
- Areas for improvement identification
- Skills assessment and gaps
- Experience evaluation and progression
- Format and structure analysis
- ATS compatibility check
- Specific actionable recommendations

Output: Detailed multi-section report with overall score (1-100)

2. Skills Assessment

Purpose: Focused evaluation of technical and soft skills

Evaluation Criteria:

- Technical skills relevance and depth
- Soft skills presentation and evidence
- Skills organization and categorization
- Industry alignment and market relevance
- Missing skills identification

- Strategic skill development recommendations

Output: Skills-focused report with targeted improvement suggestions

3. Experience Review

Purpose: Career progression and work history analysis

Evaluation Criteria:

- Career trajectory and logical progression
- Achievement descriptions and quantifiable impact
- Role relevance to target positions
- Professional brand and narrative consistency
- Employment gap analysis
- Strategic positioning recommendations

Output: Experience-focused evaluation with career development insights

4. Format & Structure Analysis

Purpose: Layout, design, and ATS optimization review

Evaluation Criteria:

- Visual appeal and professional presentation
- Section organization and information flow
- Readability and accessibility
- ATS (Applicant Tracking System) compatibility
- Industry-appropriate formatting
- Technical formatting improvements

Output: Formatting and structure optimization guide

Analysis Workflow

Step 1: File Upload

Upload Methods:

- Click Upload Area: Browse and select PDF file
- Drag & Drop: Drag PDF file to upload area
- File Validation: Automatic format and size checking

File Requirements:

- Format: PDF only
- Size: Maximum 10MB
- Content: Text-extractable (not image-only PDFs)

Step 2: Analysis Configuration

1. Select **Analysis Type:** Choose from 4 available options
2. **File Confirmation:** Verify uploaded file details
3. **Initiate Analysis:** Click "Analyze Resume" button

Step 3: Processing

- PDF Text Extraction: Automatic text parsing from PDF
- AI Analysis: DeepSeek AI processes resume content
- Score Calculation: Numerical scoring based on evaluation criteria
- Report Generation: Comprehensive analysis report creation

Results Display

- **Markdown Rendering:** Professional formatted output
- Score Visualization: Color-coded score badges
- Metadata Display: File information and analysis details
- **Scrollable Content:** Full analysis with smooth navigation

Score Interpretation

Score Range	Category	Description
90-100	Excellent	Outstanding resume quality
80-89	Very Good	Strong resume with minor improvements
70-79	Good	Solid resume with moderate improvements
60-69	Fair	Adequate resume needing significant improvements
50-59	Needs Work	Poor resume requiring major revisions
<50	Poor	Substantial overhaul required

History Management Viewing Analysis

History Display Features

- Chronological Listing: Most recent analyses first
- File Information: Original filename and analysis type
- Score Display: Quick score reference
- Date Stamps: Analysis completion timestamps
- Quick Actions: View and delete options

Accessing Previous Analyses

1. Locate desired analysis in history panel
2. Click on the analysis item
3. Full analysis loads in main content area
4. All original formatting and scoring preserved

Deleting Analyses

Deletion Process

1. Hover Action: Delete button appears on analysis item hover
2. Confirmation Modal: Click delete button triggers confirmation
3. Final Confirmation: Confirm deletion in modal dialog
4. Immediate Removal: Analysis removed from history and database

Safety Features

- Confirmation Required: Prevents accidental deletions
 - Irreversible Action: Users warned about permanent deletion
 - Visual Feedback: Success message confirms deletion completion
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User Interface Components

Interactive Elements

Buttons

- Primary Actions: Blue gradient background with hover effects
- Secondary Actions: Gray background with subtle hover
- Danger Actions: Red background for delete operations
- Loading States: Disabled state with loading text

Form Controls

- Input Fields: Clean borders with focus highlighting

- Select Dropdowns: Consistent styling with form inputs
- File Upload: Drag-and-drop area with visual feedback

Modals

- Centered Display: Overlay with background dimming
- Responsive Sizing: Adapts to screen size
- Close Options: X button and click-outside-to-close
- Smooth Animations: Fade-in/fade-out effects

Visual Feedback

Loading States

- Spinner Animation: Rotating circle during processing
- Button Text Changes: "Analyze Resume" -> "Analyzing..."
- Disabled Controls: Prevent multiple submissions
- Progress Context: "Analyzing resume with AI..."

Success States

- Green Checkmarks: Successful file uploads
- Success Messages: Temporary confirmation notices
- Score Badges: Color-coded performance indicators

States

- Red Error Messages: Clear error descriptions
 - Field Highlighting: Invalid input field borders
 - Helpful Context: Suggestions for error resolution
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Appendices

Appendix A: AI Prompt Engineering

Understanding the AI Analysis System

Resume Analyzer Pro uses sophisticated prompt engineering to ensure consistent, high-quality analysis results. Each analysis type employs carefully crafted prompts designed to extract maximum value from the AI model.

Prompt Structure & Design

System Prompt Foundation:

- Role Definition: "You are an expert HR professional"
- Scoring Framework: Standardized 1-100 scale with clear criteria
- Evaluation Weights: Specific percentages for each assessment area Analysis-

Specific Prompts

1. Comprehensive Analysis Prompt

2. Please conduct a comprehensive analysis of this resume.

3. Provide detailed feedback on:

1. Overall Impression & Strengths

- First impression when reviewing the resume
- Key strengths and standout qualities
- Most compelling aspects of the candidate's profile

2. Areas for Improvement

- Specific sections that need enhancement
- Missing information that should be included
- Content that could be better organized or presented

3. Skills Assessment

- Technical skills relevance and depth
- Soft skills presentation and evidence
- Skills gaps for the candidate's target roles
- Recommendations for skill development

4. Experience Evaluation

- Career progression and growth trajectory
- Achievement descriptions and quantifiable impact

- Relevance to target positions
- Work experience presentation quality

5. Format & Structure Analysis

- Overall layout and visual appeal
- Section organization and flow
- Readability and professional presentation
- ATS (Applicant Tracking System) compatibility

6. Specific Recommendations

- Actionable steps to improve the resume
- Industry-specific suggestions
- Content optimization strategies

7. Overall Score (1-100)

2. Skills Assessment Prompt

Please focus specifically on analyzing the skills section of this resume. Provide detailed evaluation on:

1. Technical Skills Analysis

- Relevance of listed technical skills to target roles
- Depth and breadth of technical expertise
- Current vs. outdated technologies
- Skill categorization and organization

2. Soft Skills Presentation

- How soft skills are demonstrated through examples
- Evidence and context provided for soft skills claims
- Balance between technical and interpersonal skills

3. Skills Gaps & Opportunities

- Missing skills that are highly valued in the candidate's field
- Emerging technologies or methodologies to consider
- Skills that could be better highlighted or repositioned

4. Skills Organization & Presentation

- Clarity and structure of skills section
- Use of categories, levels, or proficiency indicators
- Visual presentation and readability

5. Industry Alignment

- How well skills align with current industry demands
- Competitive advantage of the skill set
- Market relevance and transferability

6. Improvement Recommendations

- Specific skills to add, remove, or reorganize
- Ways to better demonstrate skill proficiency
- Strategic skill development suggestions

7. Skills Score (1-100)

3. Experience Review Prompt

Please analyze the work experience section of this resume in detail. Focus on:

1. Career Progression Analysis

- Logical career advancement and growth trajectory
- Role progression and increasing responsibilities
- Career transitions and their strategic value
- Timeline consistency and employment gaps

2. Achievement Descriptions & Impact

- Quality of accomplishment statements
- Use of quantifiable metrics and results
- Demonstration of value delivered to employers
- Evidence of problem-solving and initiative

3. Relevance to Target Roles

- Alignment with likely career objectives
- Transferable skills and experiences
- Industry experience and domain knowledge
- Leadership and collaboration examples

4. Content Quality & Presentation

- Clarity and conciseness of descriptions
- Use of strong action verbs and professional language
- Consistency in formatting and style
- Appropriate level of detail for each role

5. Professional Brand & Narrative

- Coherent professional story and positioning

- Unique value proposition demonstration
- Consistency with overall career theme

6. Areas of Concern

- Employment gaps or frequent job changes
- Lack of progression or stagnation indicators
- Missing context or insufficient detail
- Potential red flags for employers

7. Strategic Recommendations

- How to better position work experience
- Content to add, modify, or remove
- Ways to strengthen achievement statements

8. Experience Score (1-100)

4. Format & Structure Analysis Prompt

Please evaluate the format and structure of this resume with focus on:

1. Overall Layout & Visual Appeal

- Professional appearance and first impression
- Use of white space and visual hierarchy
- Font choices, sizing, and consistency
- Overall design aesthetic and modern appeal

2. Section Organization & Flow

- Logical order and progression of sections
- Appropriate section headers and transitions
- Information architecture and user experience
- Strategic placement of key information

3. Readability & Accessibility

- Ease of scanning and information retrieval
- Text density and paragraph structure
- Use of bullet points and formatting elements
- Clarity of contact information and key details

4. Professional Standards

- Adherence to industry formatting conventions
- Appropriate length and content density
- Consistency in style and presentation

- Professional tone and language usage

5. ATS (Applicant Tracking System) Compatibility

- Machine-readable format considerations
- Keyword optimization and placement
- Section headers and standard terminology
- File format and technical compatibility

6. Content Structure & Hierarchy

- Information prioritization and emphasis
- Strategic use of formatting for key points
- Balance between sections and content areas
- Effective use of formatting to guide attention

7. Industry & Role Appropriateness

- Format suitability for target industries
- Creative vs. conservative formatting choices

8. Alignment with professional expectations

9. Specific Formatting Recommendations

- Concrete suggestions for layout improvements
- Technical formatting adjustments
- Content reorganization strategies

10. Format Score (1-100)

Prompt Optimization Techniques

Temperature Control

- Configuration: `DEEPSEEK_TEMPERATURE=0.5`
- Purpose: Balance between creativity and consistency
- Range: 0.0 (deterministic) to 2.0 (highly creative)
- Optimal: 0.5 for professional analysis balance

Token Management

- Configuration: `DEEPSEEK_MAX_TOKENS=2500`
 - Purpose: Ensure comprehensive yet focused responses
 - Balance: Detailed analysis without unnecessary verbosity
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Appendix B: Responsive Design Specifications

Breakpoint System

Desktop (1400px+)

- Three-column layout: Full sidebar, main content, dashboard
- Optimal spacing: Maximum readability and usability
- Full feature access: All functionality visible

Large Screens (992px - 1399px)

- Standard three-column: Balanced layout proportions
- Condensed spacing: Efficient use of screen real estate

Tablets (768px - 991px)

- Two-column layout: Sidebar and main content
- Stacked dashboard: Dashboard moves

below main content

Touch-friendly: Larger tap targets Mobile

Portrait (576px - 767px)

- Single-column layout: All components stacked vertically
- Compact statistics: 2x2 statistics grid
- Mobile optimized: Touch-first interaction design Small

Mobile (320px - 575px)

- Ultra-compact layout: Minimal spacing and padding
- Simplified navigation: Streamlined user interface
- Essential features: Core functionality prioritized

Mobile-Specific Features

Touch Interactions

- Larger tap targets: Minimum 44px touch targets
- Gesture support: Swipe and pinch interactions
- Haptic feedback: Visual feedback for all interactions

Performance Optimizations

- Lazy loading: Images and components load as needed
 - Reduced animations: Simplified animations for performance
 - Compressed assets: Optimized file sizes for mobile
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Appendix C: Error Handling Reference

Common Error Scenarios

File Upload Errors

- Invalid File Type: "Only PDF files are allowed"
- File Too Large: "File exceeds 10MB limit"
- Corrupted File: "Unable to extract text from PDF"
- Network Error: "Upload failed - please try again"

Authentication Errors

Invalid Credentials: Clear messaging for login failures

- Session Expiry: Automatic redirect to login with explanation
- Network Issues: Retry mechanisms with user guidance

Analysis Errors

- API Failures: "Analysis service temporarily unavailable"
- Processing Errors: "Unable to process PDF content"
- Timeout Issues: "Analysis taking longer than expected"

Error Recovery Automatic

Recovery

- Session Restoration: Automatic token refresh when possible
- Retry Mechanisms: Background retry for transient failures
- State Preservation: Maintain user progress during errors User-

Initiated Recovery

- Retry Buttons: Manual retry options for failed operations
 - Alternative Actions: Suggest alternative approaches
 - Help Resources: Links to troubleshooting guides
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Appendix D: Best Practices Guide

For Optimal Results PDF

Preparation

1. Text-Based PDFs: Ensure PDF contains extractable text
2. Clear Formatting: Use standard fonts and layouts
3. Reasonable Length: 1-3 pages for best analysis quality
4. Professional Content: Complete resume information

Analysis Strategy

1. Start Comprehensive: Begin with comprehensive analysis
2. Iterative Improvement: Use specific analyses for focused improvements
3. Multiple Versions: Analyze updated versions to track

progress

Score Tracking: Monitor improvement over time Security

Best Practices

Account Security

- Strong Passwords: Use complex, unique passwords
- Regular Logout: Log out when using shared computers
- Browser Security: Keep browsers updated and secure Data

Privacy

- Sensitive Information: Be aware of information in uploaded resumes
- Analysis History: Regularly review and clean up old analyses
- Account Management: Delete account if no longer needed

Appendix E: Troubleshooting Reference

Common Issues & Solutions Upload

Problems

Issue: File won't upload Solutions:

1. Check file format (must be PDF)

2. Verify file size (under 10MB)
3. Try different browser
4. Check internet connection

Analysis Failures

Issue: Analysis doesn't complete Solutions:

1. Ensure PDF contains extractable text
2. Try shorter/simpler resume
3. Refresh page and retry
4. Contact support if issue persists

Display Issues

Issue: Interface not displaying correctly Solutions:
Clear browser cache and cookies

1. Disable browser extensions
 2. Try different browser
 3. Check browser compatibility
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Appendix F: Technical Specifications

Browser Compatibility

Fully Supported:

- Chrome 90+: Full feature support
- Firefox 88+: Full feature support
- Safari 14+: Full feature support
- Edge 90+: Full feature support

Limited Support

- Older Browsers: Basic functionality may work
- Internet Explorer: Not supported
- Mobile Browsers: Feature-limited but functional

Performance Optimization

For Better Performance

1. Close Unused Tabs: Reduce browser memory usage

2. Clear Cache: Regular browser cache clearing
3. Stable Connection: Use reliable internet connection
4. File Size: Optimize PDF file sizes when possible

Support & Resources

Getting Help

- Technical Issues: Check troubleshooting section first
- Feature Questions: Refer to this user guide
- Bug Reports: Document steps to reproduce issues
- Enhancement Requests: Provide detailed feature descriptions

Additional Resources

- System Status: Check application health endpoint
- Browser Support: Verify browser compatibility
- File Requirements: Review PDF preparation guidelines
- Security Information: Review data privacy practices

This user manual is designed to provide comprehensive information about using Resume Analyzer Pro effectively. For the best experience, please ensure you're using a supported browser and have a stable internet connection.