

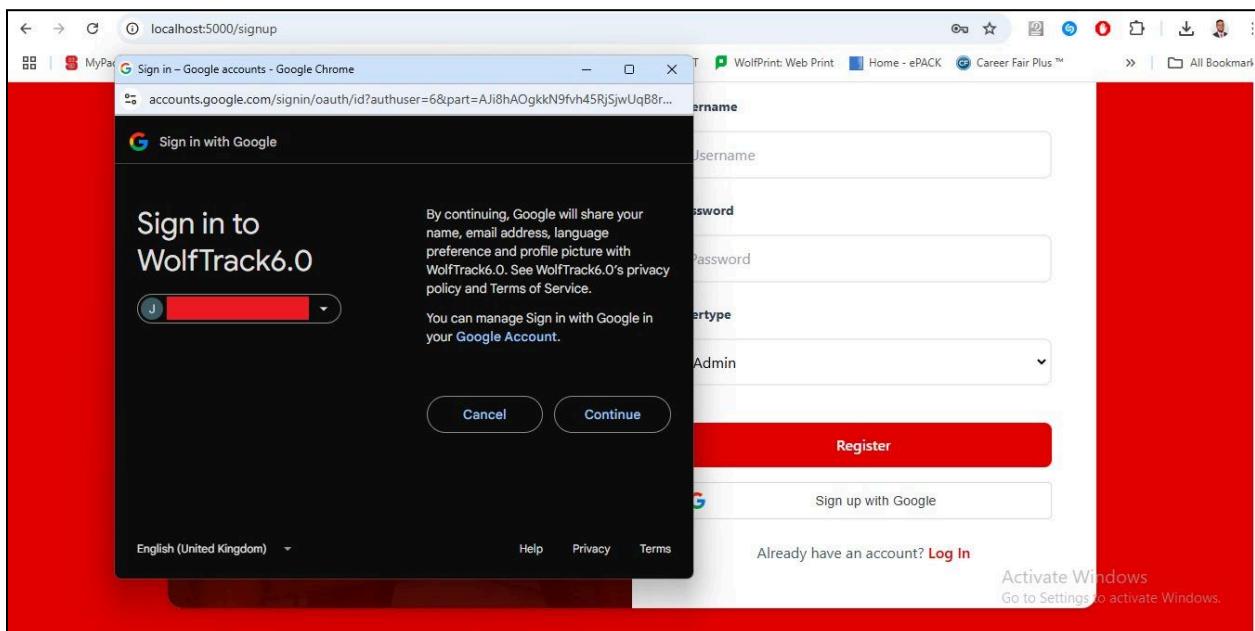
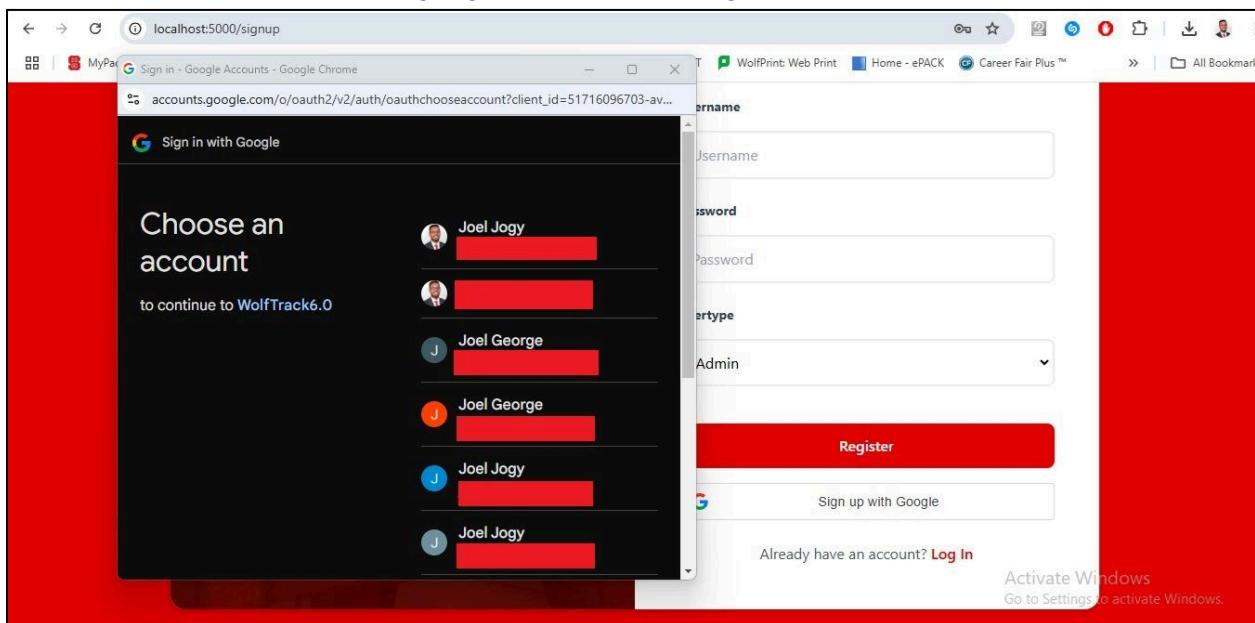
What's new in WolfTrack6.0?

WolfTrack 6.0 introduces a host of new features and enhancements aimed at improving user experience, security, and overall functionality. Here's a detailed breakdown of the latest updates:

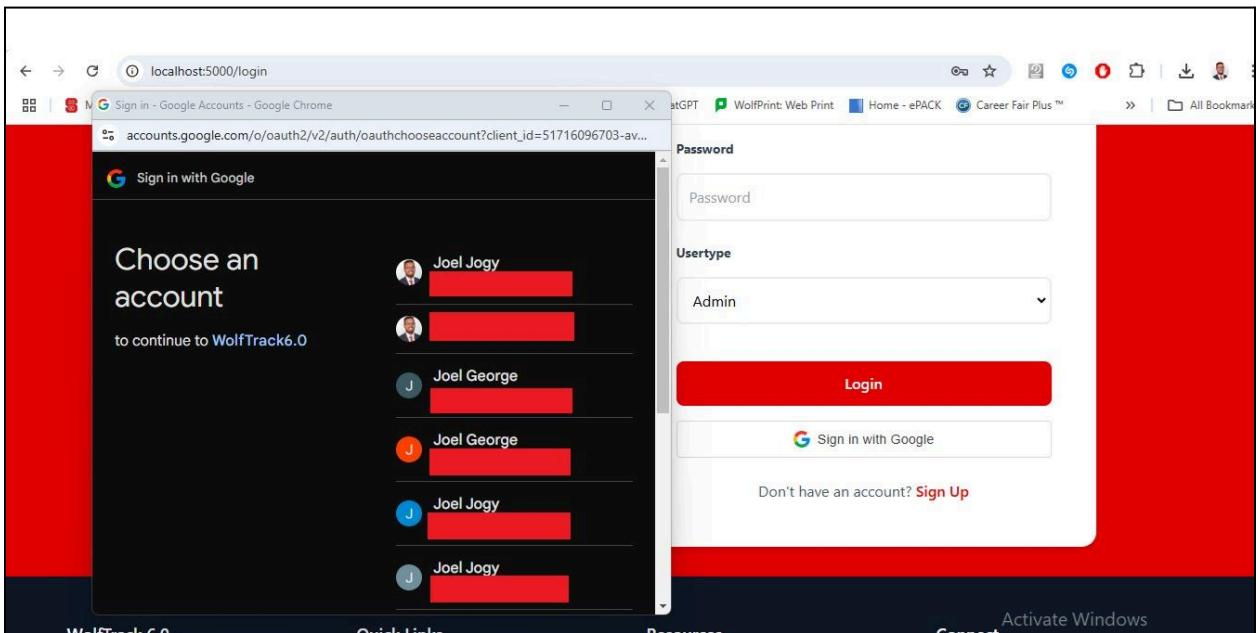
New Features

Google Authentication

The below is an example of the google authentication signup:



The below is an example of the Google Authentication login:



Resume Builder

The resume builder allows the user to dynamically fill out a form with their details and create a resume that can be saved and downloaded as a pdf. The builder allows adding the following sections:

1. Resume version
2. Basic contact information
3. Education
4. Experience
5. Technical Skills

The below image shows the basic structure of the resume builder:

Saved Resumes

Select a resume to load

Resume Version Name *

e.g., Software Engineer 2024

Full Name *

e.g., John Doe

Email *

e.g., john.doe@example.com

Mobile Number *

e.g., +1 123 456 7890

LinkedIn Profile URL *

e.g., linkedin.com/in/johndoe

Education

[Add Education](#)

Experience

[Add Experience](#)

Technical Skills (one per line) *

[Save Resume](#) [Download PDF](#)

Here is a sample filled out resume:

Saved Resumes

Select a resume to load

Resume Version Name *

Network Engineer

Full Name *

Pravallika Vasireddy

Email *

pvasisre2@ncsu.edu

Mobile Number *

9195213095

LinkedIn Profile URL *

www.linkedin.com/in/pravallika-vasireddy

Education

Institution *

North Carolina State University

[Remove](#)

Degree *

Masters in Computer Networks

Graduation Year *

2024

GPA

4.0

Related Coursework (one per line)

Linux Networking, Switched Network Management, Internet Protocols

Institution *	<input type="text" value="Amrita Vishwa Vidyapeetham"/>	Remove
Degree *	<input type="text" value="Bachelors in Electronics and Communication"/>	
Graduation Year *	<input type="text" value="2020"/>	
GPA	<input type="text" value="8.89"/>	
Related Coursework (one per line)	<input type="text" value="Internet Protocols, Design and Analysis of Algorithms, Operating Systems"/>	
Add Education		
<h3>Experience</h3>		
Company *	<input type="text" value="NVIDIA"/>	
Location *	<input type="text" value="Santa Clara"/>	
Title *	<input type="text" value="Solutions Architect Intern"/>	
Dates *	<input type="text" value="May 2024 - Aug 2024"/>	
Key Achievements (one per line) *	<p>Developed SN3420 switch configuration automation in Msft Azurestack HCI through Ansible, PowerShell and j2 templates. Automated and deployed basepod North-South Ethernet network for NCP RA using Python, Ansible and j2 templating on NVAir, aiming to translate VxLAN-EVPN multitenancy in the East-West InfiniBand network via pkeys. Automated the Cable Validation Tool for XAI's world's largest AI factory, reducing update times from 3hrs to instantaneous. Analyzing bandwidth saturation of an RDMA network with Spectrum switches, Gracehopper Client using BlueField3 DPUs and 3 Ubuntu-based HPE storage servers with</p>	

Company * Remove

Arista Networks

Location *

Bangalore, India

Title *

Technical Solutions Engineer

Dates *

Jan 2020 - Jul 2023

Key Achievements (one per line) *

teams.
Supported a wide range of EOS features, DC platforms, 7130 FPGA switches, and Awake NDR cybersecurity products.
SME for CloudVision, a network telemetry and provisioning product with expertise in HBase, Kubernetes, APIs and Docker.
Part of NetDevOps TAC resolving issues related to Network Automation - CVP/CVaaS, Ansible, AVD, and OpenConfig.
Reviewed TOIs and tested RFEs with the development team, enhancing EOS/MOS/CVP features.

Add Experience

Technical Skills (one per line) *

Programming: Python, C, C++, Shell scripting, SQL, Restful APIs
Database Management Systems: Hadoop, HBase, Elasticsearch
Tools: CVP, CVX, Git, Docker, Kubernetes, Ansible, Grafana, Prometheus, VMWare, AWS, GCP, Kafka, Terraform, NVAir, GNS3
Operating Systems: Linux, Cumulus Linux, Arista EOS, Arista MOS, Cisco IOS, Arrcus ArcOS, MacOS, Windows, InfiniBand

Save Resume Download PDF

The below image shows the generated resume which was downloaded as a pdf:

Pravallika Vasireddy

9195213095 | pvasire2@ncsu.edu | www.linkedin.com/in/pravallika-vasireddy

EDUCATION

North Carolina State University	2024
Masters in Computer Networks	GPA: 4.0/4.0
Related Coursework: Linux Networking, Switched Network Management, Internet Protocols	
Amrita Vishwa Vidyapeetham	2020
Bachelors in Electronics and Communication	GPA: 8.89/4.0
Related Coursework: Internet Protocols, Design and Analysis of Algorithms, Operating Systems	

TECHNICAL SKILLS

Programming: Python, C, C++, Shell scripting, SQL, Restful APIs
Database Management Systems: Hadoop, HBase, Elasticsearch
Tools: CVP, CVX, Git, Docker, Kubernetes, Ansible, Grafana, Prometheus, VMWare, AWS, GCP, Kafka, Terraform, NVAir, GNS3
Operating Systems: Linux, Cumulus Linux, Arista EOS, Arista MOS, Cisco IOS, Arrcus ArcOS, MacOS, Windows, InfiniBand

WORK EXPERIENCE

NVIDIA, Santa Clara, California, Solutions Architect Intern	May 2024 - Aug 2024
• Developed SN3420 switch configuration automation in Msft Azurestack HCI through Ansible, PowerShell and j2 templates.	
• Automated and deployed basepod North-South Ethernet network for NCP RA using Python, Ansible and j2 templating on NVAir, aiming to translate VxLAN-EVPN multitenancy in the East-West InfiniBand network via pkeys.	
• Automated the Cable Validation Tool for XAI's world's largest AI factory, reducing update times from 3hrs to instantaneous.	
• Analyzing bandwidth saturation of an RDMA network with Spectrum switches, Gracehopper Client using BlueField3 DPU and 3 Ubuntu-based HPE storage servers with NVMe Drives and ConnectX6 cards provisioned through BCM.	
Arista Networks, Bangalore, India, Technical Solutions Engineer	Jan 2020 - Jul 2023
• Resolved 1200+ IPv4/v6 networking issues for global customers using L3LS/cloud architecture through analysis, lab replication and collaboration with cross-functional teams.	
• Supported a wide range of EOS features, DC platforms, 7130 FPGA switches, and Awake NDR cybersecurity products.	
• SME for CloudVision, a network telemetry and provisioning product with expertise in HBase, Kubernetes, APIs and Docker.	
• Part of NetDevOps TAC resolving issues related to Network Automation - CVP/CVaaS, Ansible, AVD, and OpenConfig.	
• Reviewed TOIs and tested RFEs with the development team, enhancing EOS/MOS/CVP features.	

Additionally, the resume builder allows storage of multiple versions of the resume as shown below:

Resume Builder

Saved Resumes

- ✓ Select a resume to load
- Network Engineer - Pravallika Vasireddy
- Automation Engineer - Pravallika Vasireddy
- DevOps Engineer - Pravallika Vasireddy

Full Name *

Job Recommender

The job recommender option integrates with ChatGPT and provides personalized job recommendations based on the uploaded resume. It scrapes the web and identifies the closest matches. The details are shown in a concise manner along with the link to apply to the job:

Job Recommendation Results					
Solution Development Engineer- Controls or Fire Company: Johnson Controls Contract Time: full_time Salary Min: \$112834.4 Description: Build your best future with the Johnson Controls team! As a global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet in a meaningful way. Our engineers help to build your best future! Our teams are uniquely positioned to support a multitude of industries across the globe. You will have the opportunity to develop your career through meaningful work, growth and learning opportunities. We strive to provide ... Location: Sandy Pines, Fulton County Apply Now	Energy Solutions Development Engineer - Sustainable Infrastructure Company: Johnson Controls Contract Time: full_time Salary Min: \$110708.56 Description: What you will do Under general direction, participates as a leader of a development team to achieve department and project objectives on large projects, inclusive of new on-site renewable energy systems and energy storage, like solar panels, batteries, power or financial tasks during both preliminary & detailed development of projects. Conceptualize energy retrofit and renewable energy projects for customers that contain a broad set of JCI offerings which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Syosset, Nassau County Apply Now	Senior Oracle Systems Engineer Company: GXO Logistics Contract Time: full_time Salary Min: \$106348.95 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Highland Park, Dallas Apply Now	Senior Oracle Systems Engineer Company: GXO Logistics Contract Time: full_time Salary Min: \$100223.66 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Charlotte, Mecklenburg County Apply Now	Senior Oracle Systems Engineer Company: GXO Logistics Contract Time: full_time Salary Min: \$99270.51 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Fort Worth, Tarrant County Apply Now	Senior Oracle Systems Engineer Company: GXO Logistics Contract Time: full_time Salary Min: \$119944.47 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Glenville, Fairfield County
Senior Oracle Systems Engineer Company: GXO Logistics Contract Time: full_time Salary Min: \$105913.23 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Deep River, Guilford County	Senior Oracle Systems Engineer Company: GXO Logistics Contract Time: full_time Salary Min: \$1011102.34 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Raleigh, Wake County	Senior Oracle Systems Engineer Company: GXO Logistics Contract Time: full_time Salary Min: \$122658.58 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Glenville, Fairfield County	Senior Oracle Systems Engineer - Hybrid Company: GXO Logistics Contract Time: full_time Salary Min: \$103569.73 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Glenville, Fairfield County	Senior Oracle Systems Engineer - Hybrid Company: GXO Logistics Contract Time: full_time Salary Min: \$119944.47 Description: Logistics at full potential. At GXO, we're constantly looking for talented individuals at all levels who can deliver the caliber of service our company requires. You know that a positive work environment creates happy employees, which boosts productivity and dedication. On our team, you'll have the support to excel at work and the resources to build a career you can be proud of. This is a hybrid role open to candidates based in Raleigh/High Point/Charlotte, NC; Greenwich, TC; Dallas, TX areas. ... Location: Glenville, Fairfield County	

The Apply Now option redirects to the appropriate job posting:

The screenshot shows a job listing on the Johnson Controls careers website. The main heading is "Energy Solutions Development Engineer - Sustainable Infrastructure". Below it, the location is listed as "Syosset, New York, United States of America". On the left, there's a sidebar with "Job details" containing information like "Employment Type: Full-Time", "Location: Syosset, New York, United States of America", "Job Category: Engineering", and "Job Number: WD30219318". To the right, there's a "Job Description" section with a "What you will do" list:

- Under general direction, participates as a leader of the Development Team to achieve department objectives on large projects, inclusive of new on-site renewable energy systems and energy storage.
- Leads engineering, process or financial tasks during both preliminary & detailed development of projects
- Conceptualize energy retrofit and renewable energy projects for customers that contain a broad set of JCI offerings as appropriate to meet the customer's requirements.

A floating chat window from "Emma" (a personal job assistant) is visible on the right side of the page, with a message: "Hi! I'm Emma, your personal job assistant at Johnson Controls. I have the ability to speak in many languages. Simply let me know which language you prefer and I will communicate with you in your preferred language." There's also a "Write a reply..." input field and a small preview of the Johnson Controls logo.

Frontend

The frontend of WolfTrack 6.0 has been redesigned and enhanced to provide a more intuitive, responsive, and aesthetically pleasing user experience:

- UI Overhaul:** A complete refresh of the user interface designed to enhance professionalism and user-friendliness. The new design emphasizes clarity, ease of navigation, and responsive layouts to accommodate various devices.

WolfTrack5.0 UI:

WolfTrack 5.0



Login

signup

Login

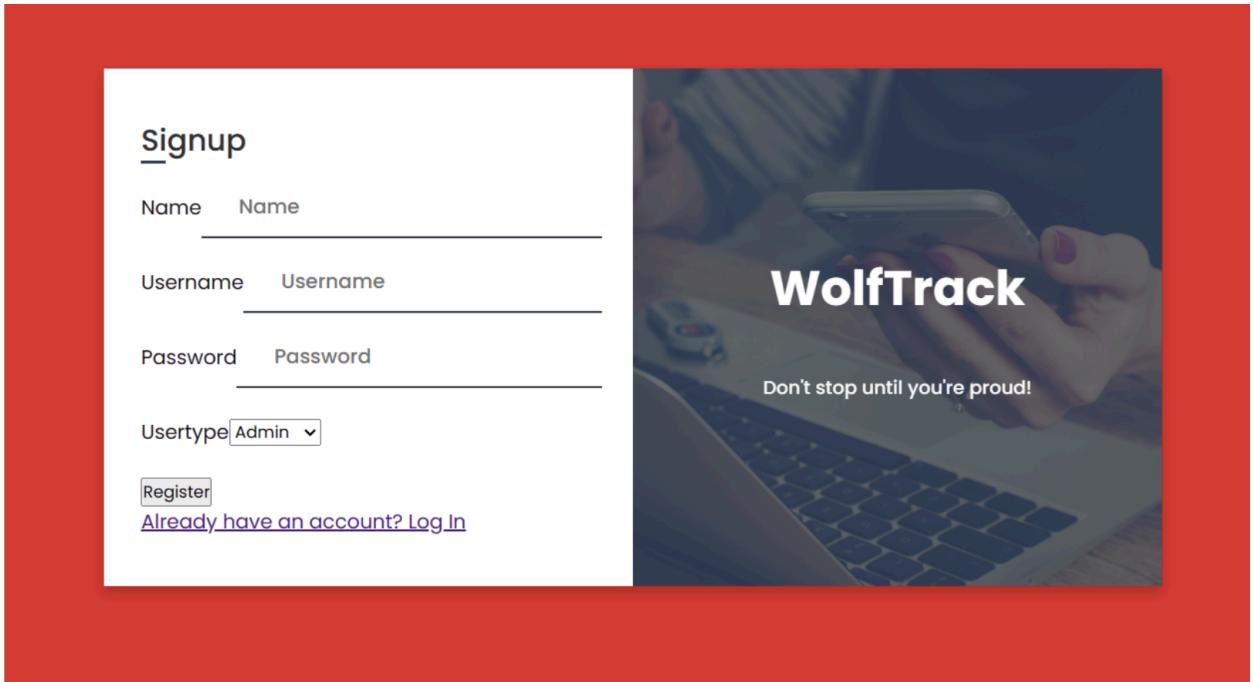
Username

Password

[Do not have an account? SignUp](#)

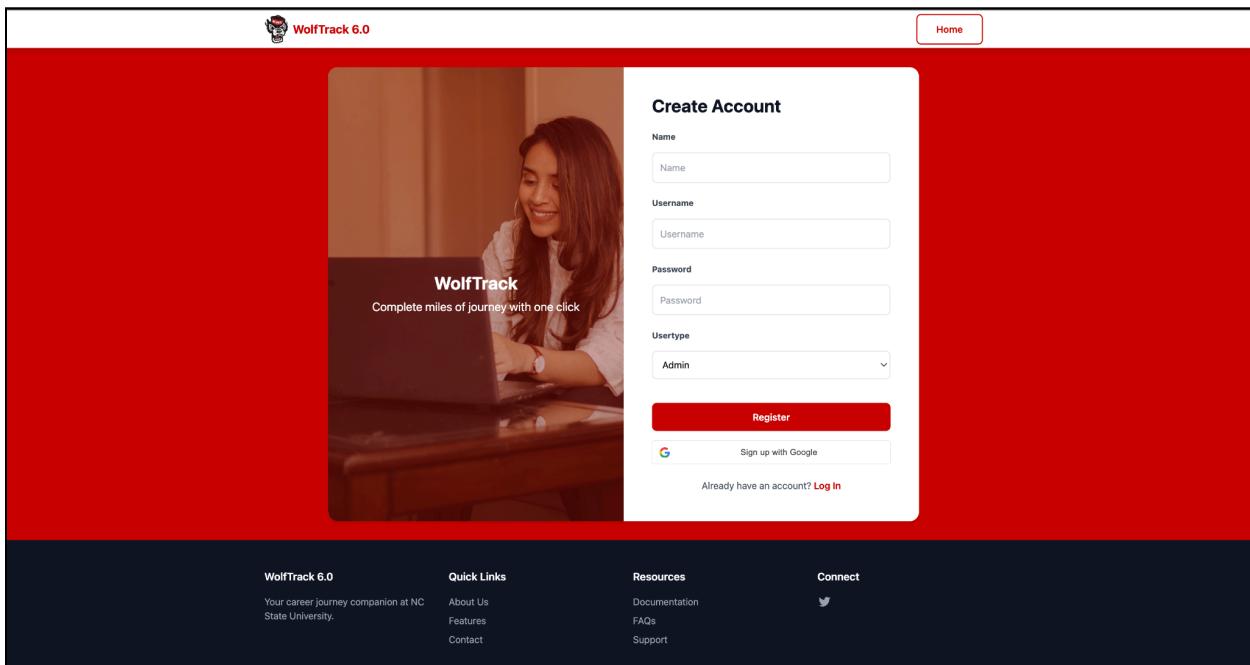
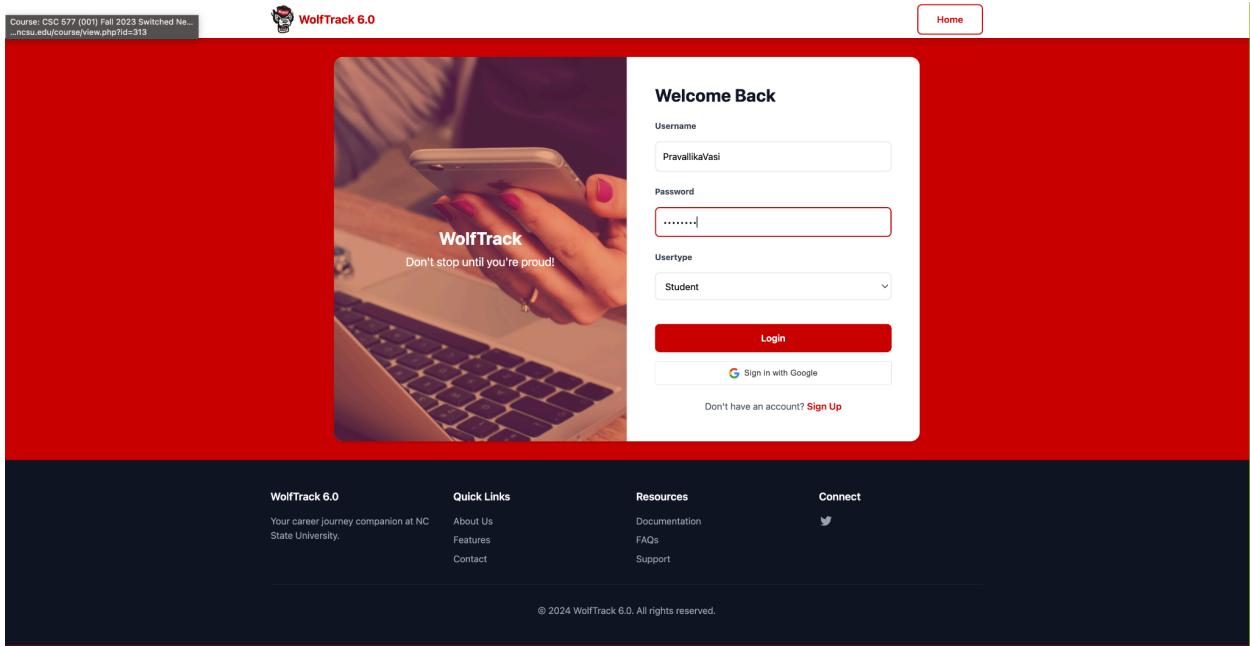
WolfTrack

Don't stop until you're proud!



WolfTrack6.0 UI:

The main landing page for WolfTrack 6.0 features a hero section with the heading "Transform Your Job Search Journey". Below it is a subtext: "WolfTrack 6.0 is your ultimate companion for managing internship and job applications. Built for NC State students, by NC State students." It includes "Get Started" and "Learn More" buttons. To the right is a screenshot of the application's dashboard, showing resume analysis, application tracking, and smart insights. At the bottom, there's a section titled "Why Choose WolfTrack 6.0?" with three cards: "Resume Analysis", "Application Tracking", and "Smart Insights".



- **Interactive Elements:** Enhanced interactive elements that improve user engagement, such as dynamic forms for resume building.

The screenshot shows the 'Saved Resumes' section of the Professional Resume Builder. It includes fields for 'Resume Version Name' (e.g., Software Engineer 2024), 'Full Name' (e.g., John Doe), 'Email' (e.g., johndoe@example.com), 'Mobile Number' (e.g., +1 123 456 7890), and 'LinkedIn Profile URL' (e.g., linkedin.com/in/johndoe). Below these are buttons for 'Add Education' and 'Add Experience'. A large text area for 'Technical Skills (one per line)' is present, along with 'Save Resume' and 'Download PDF' buttons at the bottom.

Backend

The backend of WolfTrack 6.0 has seen several strategic upgrades designed to improve performance, scalability, and maintainability:

- **Performance Improvements:** Significant backend code refactoring has been implemented to improve efficiency and readability. This restructuring allows for faster response times and more stable performance.
- **Bug fixes:**
 - **Resume suggestions:** The job suggestions feature was broken in WolfTrack5.0 resulting in an error. The code has been modified such that the suggestions are provided with the usage of ChatGPT

The screenshot shows the 'Analyze Resume' section of the WolfTrack interface. It displays four main suggestion boxes: 'Education' (suggesting to make the education section more concise by listing only the relevant degree, institution, and graduation date), 'Experience' (suggesting to enhance the experiences section by incorporating more quantifiable achievements and numbers), 'Skills' (suggesting to categorize skills like Programming, Protocols, Database Management Systems, Tools, Operating Systems), and 'Projects' (suggesting to make project descriptions more concise and impactful by focusing on actions taken and results achieved).

- **Upload Resume feature:** Uploading a new resume and adding led to a database error. This has been fixed and a user will be able to upload resume and save it.

CV

pravallika_resume.pdf

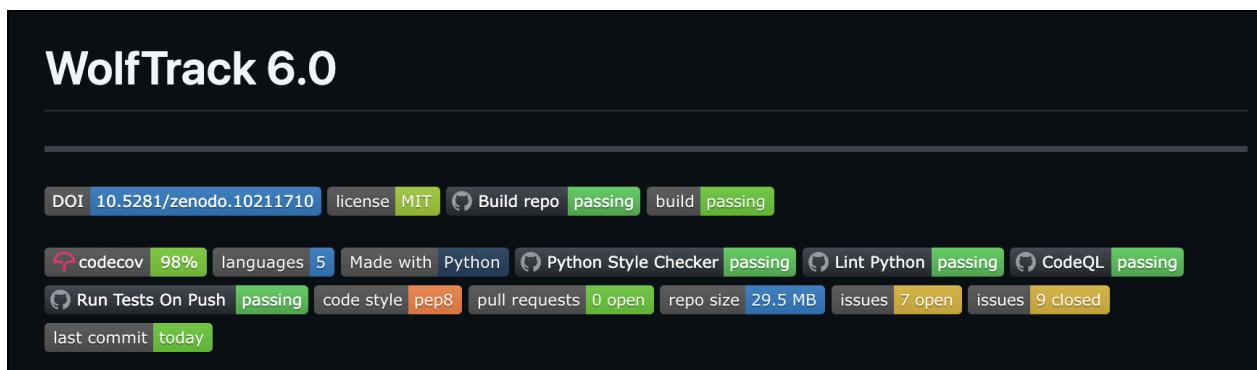
Send Profile

➤

Testing

The latest release of WolfTrack 6.0 has brought significant improvements to the testing environment, ensuring a robust and reliable platform:

- **Expanded Test Coverage:** Test case coverage has been increased to over 98% and over 88 test cases have been included to ensure thorough verification of all functionalities. This comprehensive testing strategy helps in identifying and fixing potential issues before they affect users.



- **Enhanced Quality Assurance Workflows:** Integration of style checkers and syntax checkers into the development process to maintain code quality and consistency across the platform.

All checks have passed		
10 successful checks		
✓	CodeQL / Analyze (javascript-typescript) (push)	Successful in 1m Details
✓	Lint Python / lint (push)	Successful in 12s Details
✓	Python Style Checker / lint (push)	Successful in 11s Details
✓	Python application / build (push)	Successful in 1m Details
✓	Python application / build (push)	Successful in 1m Details
✓	Run Tests On Push / build (push)	Successful in 1m Details
✓	Upload coverage reports to Codecov / upload-coverage (push)	Successful in 1m Details
✓	CodeQL / Analyze (python) (push)	Successful in 1m Details
✓	codecov/patch - Coverage not affected when comparing 81f6fde...77b0abe	Details

Documentation

Documentation in WolfTrack 6.0 has been significantly enhanced to provide users with clear and comprehensive guides and support materials:

- **User Guide Update:** The User Guide has been thoroughly revised and expanded to include detailed instructions and tips for navigating the new features effectively. It provides step-by-step guidance to help users maximize their use of the platform.
- **New Tutorials:** A series of updated tutorials has been introduced, designed to help new users familiarize themselves quickly with the platform's capabilities and features.

Security

Security enhancements in WolfTrack 6.0 focus on protecting user data and ensuring the integrity of the application:

- **Enhanced Encryption:** Encryption practices have been strengthened across the platform, including the encryption of stored data and secure transmission of data across networks. The older version contained hardcoded database secrets in the code which have been removed. Through the use of environment variables, the secrets are protected.

- **Code Security Audits:** Regular code audits are now part of the development lifecycle to identify and mitigate security vulnerabilities within the codebase.
- **Secure Authentication Practices:** Improvements to authentication mechanisms, including the implementation of OAuth for Google authentication and additional checks to prevent brute force and credential stuffing attacks.
- **Vulnerability Assessments:** Continuous vulnerability assessments are conducted using tools like CodeQL to scan for security issues in the code. Detected vulnerabilities are prioritized and patched in accordance with their risk level.