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LaunchToLead

# Resume Analysis & Rewrite

Nehaal Surayavanshi — Electrical & Computer Engineering

Analyzed against the Impact Bullet Builder™ framework



## Overall Score

# 28

out of 100



0 — Invisible

50 — Achiever

100 — Impact Standard

### 2/10

#### Accomplishments

Mostly duties & descriptions

### 1/10

#### Metrics

Almost zero quantification

### 6/10

#### How / Method

Good tools mentioned

### 1/10

#### Why / Business Impact

No "why does the CEO care"

## Verdict: "The Doer" Tier — Currently Invisible

This resume reads like a list of job descriptions and course project write-ups. It's technically detailed but tells a hiring manager nothing about the **impact** Nehaal had. Every bullet describes WHAT was done without quantifying WHY it mattered. A recruiter would skip this in 6 seconds because it sounds identical to every other power systems engineering student's resume.



## Key Issues Identified

### 1 Zero quantified results on the entire resume

There is one mention of "5.8%" in the academic projects but that's it. No dollar amounts saved, no time reduced, no efficiency gained, no errors prevented. Every bullet is a duty description. The Impact Bullet Builder requires a **Metric** in every single bullet.

### 2 "Assisted with" language present

"Assisted with job-package assembly" — this is the exact phrase the Impact Bullet Builder calls out as a resume killer. It tells the reader nothing about what Nehaal specifically contributed. This violates the **Me-in-We Extractor™** principle.

### 3 Bullets read like textbook descriptions, not accomplishments

"Produced separate sequence-network impedance diagrams..." — this reads like a homework problem description. A hiring manager at a utility company wants to know: did the analysis catch a critical fault? Did it save \$X in design costs? Did it prevent a field failure? Without the **Why**, it's just academic description.

### 4 Best accomplishment is buried in Awards section

"Won an award for the best senior design project amongst 19 senior design groups" — this is the single most impressive thing on the resume and it's thrown away in a bullet at the bottom. This should be prominent and woven into the HVDC project description with Dragon Slayer context.

### **5 No Dragon Slayer context anywhere**

Every bullet jumps straight to the task. None of them paint the problem first. Per the Dragon Slayer technique: "The bigger the monster you slay, the bigger the hero you become." What was broken? What was at risk? What was the pain? Then show how Nehaal fixed it.

### **6 Overly technical language without audience awareness**

Bullets like "Computed per-unit-length capacitance (C), capacitive susceptance (B), and positive-sequence impedance (Z1)..." are extremely technical. This is fine for a power systems role, but it needs to be PAIRED with business impact. The technique is there — the value is missing.

### **7 Skills section is a dead list**

Listing "PSS/E, MATLAB, CYMCAP" separately wastes space. Per the Impact Bullet Builder: "Show skills in action — don't just list them separately." The tools should appear naturally within bullet points. Nehaal actually does mention tools in some bullets (CYMCAP, PSS/E, MATLAB) which is good — but it needs to be more consistent and the separate Skills section should be enriched or integrated.



# Rewritten Resume — Impact Bullet Builder™ Applied

[X] = placeholder where Nehaal needs to provide missing information (metrics, specifics, or context we can't know from the outside)

## Nehaal Surayavanshi

779-939-5028 | nehaals@iastate.edu | LinkedIn | Ames, IA

### EDUCATION

#### Bachelor of Science: Electrical & Computer Engineering

Aug 2021 – Dec 2025

Iowa State University, Ames, IA

#### Bachelor of Science: Physics

Aug 2016 – Nov 2019

University of Mumbai, Mumbai, India

### WORK EXPERIENCE

#### Engineering Intern

May 2024 – Aug 2024

Solved Engineering, San Diego, CA

- **REWRITTEN** Computed per-unit-length impedance parameters (capacitance, susceptance, ZI) for [X — how many?] underground HV cable systems using conductor geometry and insulation modeling, **reducing peer-review turnaround by [X]%** by pre-documenting all assumptions and intermediate calculations — enabling the engineering team to validate designs [X — how much faster?] faster than the previous workflow.
- **REWRITTEN** Built separate positive/negative/zero-sequence impedance network models from line-cable parameters and transformer data, directly feeding fault and power-flow studies for [X — how many?] active utility projects — catching [X — any errors found? design issues?] that would have [X — what was at risk? delayed construction? caused field failures?].

- REWRITTEN** Evaluated worst-case steady-state ampacity and conductor thermal limits for **[X — how many?]** underground cable installations using CYMCAP, modeling **[X — how many?]** project-specific laying conditions (soil resistivity, backfill, duct bank geometry) — confirming **[X]%** of designs met thermal/insulation limits and flagging **[X]** designs that required re-routing, preventing potential **[X — field failures? construction rework costing \$?]**.
- REWRITTEN** Verified constructability of **[X — how many?]** conduit routes by performing Pull-Planner analyses across **[X]** segments, calculating maximum pulling tension and sidewall pressure vs. manufacturer limits — identifying **[X]** routes that would have exceeded cable stress thresholds, avoiding **\$(X)** in potential field rework and cable damage.
- REWRITTEN** Built Excel-based voltage-drop and percent-regulation calculators with parametric "what-if" inputs for cable lengths, loading, and flicker/step-change checks — reducing manual calculation time by **[X]%** per project and becoming the team's standard tool used on **[X — how many subsequent projects?]** projects after handoff.
- CONSIDER REMOVING** ~~Completed services worksheet by extracting and validating square-footage figures from plan sets to feed downstream load and capacity summaries.~~  
 → *This is a low-value task. If it stays, rewrite as: "Validated [X] plan sets for square-footage accuracy, catching [X] discrepancies that would have skewed load summaries by [X]% — preventing downstream capacity miscalculations on \$(X)M projects."*
- REMOVE OR REWRITE** ~~Assisted with job-package assembly (drawings, calculation sheets, and material lists) to support internal QA and external submittals.~~  
 → *"Assisted with" is the #1 resume killer. If keeping: "Compiled and QA-checked [X] complete job packages (drawings, calcs, BOMs) for client submittals, maintaining [X]% first-pass approval rate — [X] higher than the team's prior average."*

## ACADEMIC PROJECTS

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### HVDC in the Midwest — Senior Design Project



Feb 2025 – Dec 2025

**BEST OF 19 TEAMS**

Iowa State University

- **REWRITTEN** Led power systems analysis for a **[X — team size?]**-member team designing an HVDC corridor as an alternative to MISO's **[\$[X]B Tranche 2.1 HVAC build-out** — the project was selected as the **best senior design project out of 19 competing teams** and evaluated by **[X — industry judges? faculty panel?]**.
- **REWRITTEN** Ran **[X — how many?]** PSS/E AC load-flow simulations across **[X]** base cases, identifying and resolving **[X]** thermal overloads and **[X]** off-nominal voltage violations to ensure all bus voltages stayed within the 0.95–1.05 p.u. reliability window — producing exception reports that guided the team's final corridor routing decision.
- **REWRITTEN** Executed N-1 contingency screens on **[X]** lines and transformers, quantifying reactive margin requirements and identifying **[X]** critical vulnerabilities in neighboring areas — results directly informed the team's converter site selection and led to a **[X]%** projected reduction in circuit-miles vs. the HVAC alternative.

### Power System Reliability Analysis

Nov 2025 – Dec 2025

Iowa State University

- **REWRITTEN** Modeled a 17-bus transmission system and ran N-1 and N-2 contingency analyses across **[X]** load scenarios, identifying **[X]** voltage and generation violations — resolved all violations through strategic capacitor placement and generator redispatch, reducing system losses from 5.8% to **[X]%** while maintaining voltage stability across all contingency conditions.

### AC Power Flow Analysis & System Modeling

Nov 2023 – Dec 2023

Iowa State University

- **REWRITTEN** Developed a custom Y-bus admittance matrix algorithm in MATLAB for a **[X]**-bus power system, incorporating per-unit transformations and transformer tap adjustments — cross-validated outputs against PSS/E with **[X]%** computational accuracy, demonstrating **[X — what? that the custom solver matched commercial-grade tools? faster convergence?]**.

## AWARDS & LEADERSHIP

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- **REWRITTEN** **Best Senior Design Project (1st of 19 teams)** — HVDC corridor design evaluated by **[X — industry panel? faculty? utility sponsor?]**, selected over **[X — how many students total?]** students across all engineering disciplines.

- IEEE Student Member
- **REWRITTEN** Tutored [**X — how many?**] high school and middle school students in math and science over [**X**] semesters — [**X — any measurable outcomes? grade improvements? students passing?**].

## **TECHNICAL SKILLS**

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**Power Systems:** PSS/E (load flow, contingency analysis, base case validation), CYMCAP (thermal ampacity rating), Pull-Planner (constructability analysis)

**Programming & Analysis:** MATLAB (Y-bus matrix construction, power flow solvers, data visualization), Excel (parametric voltage-drop calculators, flicker analysis tools)

**Design & Modeling:** Sequence-network impedance modeling, per-unit system analysis, N-1/N-2 contingency screening

**Certifications:** JETKING: Networking Essentials



## Before & After — Best Examples



### ORIGINAL (Doer Level)

"Assisted with job-package assembly (drawings, calculation sheets, and material lists) to support internal QA and external submittals."



### REWRITTEN (Impact Standard)

"Compiled and QA-checked [X] complete job packages (drawings, calcs, BOMs) for client submittals, maintaining [X]% first-pass approval rate — [X] higher than the team's prior average."



### ORIGINAL (Doer Level)

"Won an award for the best senior design project amongst 19 senior design groups."



### REWRITTEN (Impact Standard + Dragon Slayer)

"Led power systems analysis for a [X]-member team designing an HVDC corridor as an alternative to MISO's \$[X]B Tranche 2.1 HVAC build-out — the project was selected as the best senior design project out of 19 competing teams."

 **ORIGINAL (Doer Level)**

"Built Excel calculators for FR voltage-drop and percent-regulation across proposed cable lengths and loading; added flicker/step-change checks and parametric inputs for quick 'what-if' runs."

 **REWRITTEN (Impact Standard)**

"Built Excel-based voltage-drop and percent-regulation calculators with parametric 'what-if' inputs — reducing manual calculation time by [X]% per project and becoming the team's standard tool used on [X] projects after handoff."



## Summary: What Nehaal Needs to Do

1

### Add metrics to EVERY bullet

Go back through the internship and answer: How many? How much faster? How much money? What percentage? Even estimates are better than nothing. "Approximately 30%" beats no number.

2

### Fill in every [X] placeholder above

The rewritten bullets have the structure right — but only Nehaal knows the actual numbers. Go through each [X] and fill in the real data. If you don't remember exactly, estimate conservatively. A conservative estimate is infinitely better than no number.

3

### Elevate the Best Senior Design award

This is the single most impressive thing on the resume and it's buried. It should be woven into the HVDC project header AND the first bullet. "Best out of 19 teams" is a Dragon Slayer stat — use it to anchor the entire project.

4

### Add Dragon Slayer context to top 3 bullets

At minimum, the CYMCAP ampacity analysis, the Pull-Planner constructability, and the HVDC contingency analysis need to paint the problem first. What was at risk? What was the cost of the problem? What happens if Nehaal's analysis was wrong? That context makes the accomplishment 10x more impressive.

5

### Kill "Assisted with" and all passive language

Ctrl+F for "Assisted," "Responsible for," "Helped with," "Contributed to," and "Supported." Replace every instance with what YOU specifically did. Own it.

6

### **Cut or rewrite the lowest-value bullets**

"Completed services worksheet by extracting square-footage figures" is a task, not an accomplishment. Either rewrite it with impact (did you catch errors that saved money?) or remove it to make room for something stronger. Every bullet is real estate — don't waste it on filler.

7

### **Restructure skills to show context**

Instead of listing "PSS/E, MATLAB, CYMCAP" as a flat list — group by category and add usage context. "PSS/E (load flow, contingency analysis)" is 10× more valuable than just "PSS/E."



## What's Already Working

### Strong action verbs

Most bullets start with verbs (Computed, Produced, Built, Performed, Ran). That's good — the structure is there, just needs metrics and impact.

### Tools mentioned in context

CYMCAP, PSS/E, MATLAB, Pull-Planner appear naturally in bullets. This shows skills in action — exactly what we teach.

### Real industry internship

Solved Engineering is a real consulting firm doing real HV cable design work. This experience is gold — it just needs to be reframed as impact, not duties.

### Award-winning senior design

Best project out of 19 teams is genuinely impressive. Combined with the MISO/HVDC context, this has massive Dragon Slayer potential. Just needs positioning.



## Scorecard: Impact Bullet Builder™ Criteria

Criteria	Score	Notes
Accomplishments (not duties)	2/10	Nearly all bullets describe duties/tasks. Only the loss-reduction bullet (5.8%) hints at an accomplishment.
Metrics / Quantification	1/10	1 number on the entire resume (5.8% loss). No dollar amounts, no time savings, no error rates, no project counts.
How / Method Shown	6/10	Good. Tools are mentioned naturally (CYMCAP, PSS/E, MATLAB, Excel). This is the strongest element of the current resume.
Why / Business Impact	1/10	Zero "why does the CEO care" context. No bullet connects to project delivery, cost savings, risk avoidance, or client value.
Me-in-We Extractor™	3/10	"Assisted with" present. "Contributed to a comparative study" is vague. Most bullets don't clarify Nehaal's specific role vs. the team's.
Dragon Slayer Context	0/10	No problem context on any bullet. Every bullet jumps straight to action without painting the dragon first.
Action Verbs	8/10	Strong. Computed, Produced, Built, Performed, Ran, Led, Engineered, Developed. Only "Assisted" and "Contributed" are weak.
Bullet Quality Consistency	3/10	Quality drops off sharply at the bottom of the internship section. Last 2 bullets are filler-tier.
<b>OVERALL SCORE</b>	<b>28/100</b>	<b>Tier: "The Doer" — resume is functionally invisible to hiring managers</b>

## The Good News

The raw material is strong. Nehaal has a real industry internship at a power engineering firm, experience with industry-standard tools (PSS/E, CYMCAP), an award-winning senior design project on a relevant MISO policy topic, and a dual STEM degree. The problem is not the experience — it's the communication. Applying the Impact Bullet Builder formula to this resume would likely jump it from 28/100 to 75+ in a single session. The potential is there — it just needs the framework.

Analysis prepared by LaunchToLead | Impact Bullet Builder™ Framework  
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