

Niko Desai

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SUMMARY

Dedicated and eager Electrical Apprentice with hands-on experience gained through academic projects and assistant roles. Proficient in assisting with installation and maintenance of electrical systems while ensuring safety and compliance. Strong ability to follow directions and learn quickly from seasoned professionals. Committed to delivering exceptional customer service and maintaining a well-organized work environment that fosters teamwork and efficiency. Collaboration on various technical tasks has provided a solid foundation for a future career in the electrical field, contributing positively to every project undertaken.

EDUCATION

Bachelor's Degree in Electrical Engineering 2026
University of Central Florida GPA: 3.75 Orlando, FL
Coursework: Circuit Analysis, Power Systems, Digital Electronics, Control Systems

TECHNICAL SKILLS

- Simulation Software:** MATLAB, PSpice, Multisim
- Testing Equipment:** Multimeter, Oscilloscope, Circuit Tester
- Documentation Tools:** Microsoft Word, Google Docs, LaTeX
- Design Software:** AutoCAD, Revit, SolidWorks
- Collaboration Platforms:** Trello, Slack, Zoom
- Coding Languages:** Python, C++, JavaScript
- Electrical Standards:** NEC, IEEE, ASTM
- Project Management Tools:** Asana, MS Project, JIRA
- Presentation Tools:** PowerPoint, Canva, Prezi
- Research Methodologies:** Qualitative Research, Quantitative Analysis, Data Collection Techniques

SKILLS

- Electrical System Design
- Customer Service
- Safety Compliance
- Technical Documentation
- Team Collaboration
- Problem Solving

EXPERIENCE

Electrical Systems Design January 2025 - May 2026
University Project Orlando, FL

Contributed to a team focused on designing and prototyping residential electrical systems, emphasizing safety and regulatory standards. Tasks included researching best practices and drafting documentation for assessments. Engagement in practical installations laid groundwork for a valuable skill set.

- Collaborated within a team to strategically design and prototype a functional residential electrical system.
- Conducted comprehensive research on safety protocols, augmenting knowledge of current electrical regulations.
- Created detailed project documentation for university reviews that showcased substantial technical understanding.
- Employed simulation software to model effective electrical loads, promoting enhanced system reliability.
- Participated in practical installations during live demonstrations, refining skills in wiring and assembly.

Electrical Engineering Lab September 2024 - December 2024
Academic Research Orlando, FL

Engaged in data collection and analysis related to energy consumption in residential scenarios. Gained insights by utilizing lab equipment for testing components while ensuring adherence to safety norms.

- Participated actively in a research project aimed at tracking energy usage patterns in homes.
- Utilized laboratory instruments to conduct tests on electrical components while upholding strict safety criteria.
- Coordinated with peers to share findings in a university forum, enhancing presentation abilities significantly.
- Provided constructive feedback through peer reviews, refining methodologies utilized by fellow researchers.

Smart Home Solutions March 2025
Hackathon Project Orlando, FL

Created a prototype of an intuitive smart home electrical control system focusing on user interface simplicity and functionality. Drove user testing sessions to gather feedback, facilitating iterative refinements based on real user experiences.

- Generated an innovative prototype directed at controllable smart home electrical systems that enhance usability.
- Executed user testing phases to collect qualitative insights and iterated designs based on participant input.
- Integrated electrical engineering methodologies with coding principles, yielding smooth-end user engagement.
- Collaborated in a competitive atmosphere to present findings culminating in recognition for innovative structure.

LEADERSHIP & AWARDS

- Dean's List, University of Central Florida (2024, 2025)
- Best Project Award, Engineering Capstone Showcase (2026)

CERTIFICATIONS

- OSHA 10-Hour General Industry Certification 📅 2025
- CPR and First Aid Certification 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Electrical Engineering Society, University of Central Florida
- Volunteer, Habitat for Humanity, Orlando, FL

LANGUAGES

- English (Native)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST