

# Santiago Joshi

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## SUMMARY

Passionate Applied AI Engineer with over three years of experience in crafting cutting-edge solutions, especially in natural language processing (NLP) and text-to-speech (TTS) technologies. Proven track record leading research initiatives that enhance user experiences and drive advancements in AI. Expertise in Python programming and frameworks like TensorFlow and PyTorch strengthens my ability to deliver impactful models at scale. My commitment lies in fostering collaborative environments where innovation thrives. I aspire to lead teams toward creating exceptional AI products while contributing positively to company culture and operational efficiency.

## EXPERIENCE

**Applied AI Engineer** January 2023 - Present  
Tech Innovations *Grand Rapids, MI*

Manage high-impact research projects in NLP technology, enhancing user engagement. Play a vital role in scalability efforts by deploying advanced TTS models across production environments.

- Conducted extensive research in NLP, delivering insights that improve product offerings.
- Collaborated with engineers for effective deployment of innovative speech models.
- Analyzed user feedback for continuous improvement and increased satisfaction.
- Led project teams, integrating strategy and creativity to foster growth.

**Junior AI Researcher** June 2021 - December 2022  
NextGen AI Solutions *Lansing, MI*

Contributed significantly to the development and testing of machine learning algorithms, primarily for speech synthesis applications while collaborating with senior researchers on key projects.

- Assisted in creating and validating speech synthesis methods using data analytics.
- Supported documentation and publication efforts, enhancing the company's R&D profile.
- Engaged directly with product teams to align research findings with consumer needs.
- Streamlined workflows for faster project execution without compromising quality.

**AI Research Intern** September 2020 - May 2021  
University of Michigan *Ann Arbor, MI*

Participated in multiple research initiatives centered on computer vision and NLP, developing prototypes that demonstrated potential industry applications.

- Collaborated with faculty and peers on novel research applications.
- Assisted with prototype development aimed at real-world AI challenges.
- Contributed content to academic journals detailing research outcomes.
- Understood best practices in R&D processes while gaining hands-on experience.

## LEADERSHIP & AWARDS

- Outstanding Research Contribution Award from NextGen AI Solutions for innovative findings in speech synthesis.
- Excellence in Team Collaboration recognition at Tech Innovations, celebrating teamwork excellence.

## EDUCATION

**Bachelor's Degree in Computer Science** 2021  
University of Michigan GPA: 3.7 *Ann Arbor, MI*

**Coursework:** Machine Learning, Artificial Intelligence, Data Structures, Algorithms

## CERTIFICATIONS

- Certified TensorFlow Developer 📅 2023
- Python Programming Certification 📅 2024

## TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **Frameworks:** TensorFlow, PyTorch, Keras

- **Tools:** Git, Docker, Jupyter Notebook
- **Development Methodologies:** Agile, Scrum, Kanban
- **Database Management:** MySQL, MongoDB, PostgreSQL
- **Cloud Platforms:** AWS, Google Cloud Platform, Azure
- **Algorithms:** Classification, Regression, Clustering
- **Version Control:** GitHub, GitLab, Bitbucket
- **IDE:** Visual Studio Code, PyCharm, Eclipse
- **Deployment Tools:** Heroku, Jenkins, Ansible

## SKILLS

- Natural Language Processing (NLP)
- Text-to-Speech (TTS) Technologies
- Machine Learning (ML)
- Python
- TensorFlow
- PyTorch
- Data Analysis
- Research and Development Leadership
- Project Management
- Algorithm Design
- Digital Prototyping
- User Experience (UX)
- Software Engineering
- Technical Documentation
- Cross-Functional Collaboration
- Public Speaking

## PROFESSIONAL AFFILIATIONS

- Member of ACL (Association for Computational Linguistics), engaging in community discussions around NLP advancements.
- Participant in local AI meetups, fostering knowledge exchange and collaboration within the tech community.

## LANGUAGES

- English (Native)
- Spanish (Proficient)

## ADDITIONAL INFORMATION

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

## REFERENCES

AVAILABLE ON REQUEST