

## Contact

mundadakhush01@gmail.com

[www.linkedin.com/in/khushboo10](https://www.linkedin.com/in/khushboo10)  
(LinkedIn)  
[khushm.github.io/](https://khushm.github.io/) (Personal)

## Top Skills

Scholarly Research  
Named Entity Recognition (NER)  
Regular Expressions

## Languages

English (Professional Working)  
Hindi (Native or Bilingual)  
Marwari (Native or Bilingual)  
Marathi (Native or Bilingual)  
Spanish (Elementary)

## Certifications

Responsible Conduct of Research [RCR] (Humanities)  
Human Subjects Protection [HSP] (Biomedical)

## Honors-Awards

Association for Computing Machinery's Special Interest Group on Computer-Human Interaction (ACM SIGCHI) Workshop  
Project Evaluation & Mentorship

## Publications

Predicting the Transition From Depression to Suicidal Ideation Using Facebook Data Among Indian-Bangladeshi Individuals: Protocol for a Cohort Study

# Khushboo Mundada

MS CSE @ OSU • GHC'25 • ATCE'25 • Machine Learning Engineer  
• Oil & Gas Analytics • Data Science & Software Engineering •  
Actively Seeking Full-Time Position May'26  
Columbus, Ohio, United States

## Summary

"Tech isn't just about coding; it's about solving real-world problems, and that's what drives me every day."

I'm a graduate student at The Ohio State University with a focus on AI, ML, and software development, on a mission to create impactful solutions that bridge technology and human needs. From developing machine learning algorithms for accessibility to building scalable applications, I'm passionate about pushing boundaries and bringing ideas to life.

As a Student Research Assistant, I'm engineering AI-driven solutions in wheelchair tracking, making mobility easier for those who need it most. I've also had the opportunity to lead projects that blend data science and software engineering to create real-time tools like a WhatsApp bot and a SaaS-based POS application, achieving measurable results like 92% accuracy in sales forecasting.

### Core strengths:

- AI & ML model development
- Data Science and predictive analytics
- Software Development (Python, Django, backend architecture)

Excited to take on full-time roles starting 2026, I'm eager to collaborate with teams that value innovation, problem-solving, and a passion for impactful technology.

Let's connect and explore opportunities!

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## Experience

The Ohio State University

1 year 3 months

**Graduate Research Associate**  
August 2025 - Present (4 months)

**Research Assistant**

September 2024 - August 2025 (1 year)  
Columbus, Ohio, United States

→ Developing an Android app with Google APIs to optimize wheelchair breakdown detection and streamline sensor data collection, improving accuracy and efficiency.

**Teaching Assistant**

September 2024 - April 2025 (8 months)  
Columbus, Ohio, United States

→ Graded 400+ assignments in Object-Oriented Programming and C++, providing detailed feedback to enhance student understanding and technical skills.

**North South University**

1 year 7 months

**Research Assistant**

June 2023 - July 2024 (1 year 2 months)

→ Applied NLP and machine learning to analyze cross-regional infodemic news and assess stress levels in individuals, delivering actionable insights that informed public health strategies.

**Student Assistant**

January 2023 - May 2023 (5 months)

**Markytics**

8 months

**Data Scientist**

June 2023 - September 2023 (4 months)  
Pune/Pimpri-Chinchwad Area

→ Spearheaded a breakthrough sales forecasting model with 92% accuracy, driving better decision-making and operational planning for clients. Led the development of a scalable SaaS-based POS system, streamlining real-time reporting and significantly boosting client satisfaction.

**Data Scientist**

February 2023 - May 2023 (4 months)  
Pune/Pimpri-Chinchwad Area

**TomTom**  
**Software Developer**  
July 2022 - December 2022 (6 months)  
Pune, Maharashtra, India

→ Developed a high-precision NER system to process millions of multilingual web-scraped data, improving relevance by 25% and boosting update efficiency by 30% for TomTom maps, ensuring high-quality, seamless updates across regions.

**Persistent Systems**  
**Software Engineer**  
May 2022 - June 2022 (2 months)  
Pune, Maharashtra, India

→ Boosted image processing efficiency by 25% using Python and MLflow, accelerating data analysis and deployment for quicker client deliverables.

**Integrated Active Monitoring Pvt. Ltd. (IAM)**  
**AI/ML Intern**  
October 2021 - April 2022 (7 months)  
Pune, Maharashtra, India

→ Automated Indian truck detection and CCTV monitoring using PP-Yolo, Byte-Tracker, and OpenCV, cutting manual effort by 80% and improving operational efficiency, leading to faster real-time tracking and security alerts.

**The Robotics Forum, VIT Pune**  
**Summer Intern**  
July 2020 - September 2020 (3 months)

→ Designed and controlled a robot for object picking, dropping, and lane-following, gaining hands-on experience in robotics, sensor integration, and real-time system control.

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## Education

**The Ohio State University**  
Master of Science - MS, Computer Science & Engineering · (August 2024 - May 2026)

**Vishwakarma Institute Of Technology**

