

## **Dr. Swapnil Suresh Fadte**

Assistant Professor – Computer Science & Technology, Goa Business School, Goa University

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### **PROFILE**

Academic and researcher specializing in Natural Language Processing (NLP) with a proven track record in research, program leadership, and academic administration.

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### **PROFESSIONAL EXPERIENCE**

#### **Goa Business School, Goa University – Assistant Professor**

Apr 2020 – Present; Jul 2014 – Nov 2016

- Programme Director, M.Sc. (Integrated) in Data Science.
- Led syllabus revision, lab development, academic planning, and industry collaborations.
- Former Placement Coordinator; organized events and facilitated student placements.

#### **Government College of Arts, Science & Commerce, Sanquelim – Assistant Professor**

Jun 2019 – Apr 2020

- Delivered UG Computer Science courses and coordinated academic activities.
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### **EDUCATION**

- Ph.D. (Computer Science & Technology), Goa University, 2025 – *NLP in Konkani Language*
  - M.E. (Computer Science & Engineering), Goa Engineering College, 2014
  - B.E. (Computer Engineering), Goa Engineering College, 2010
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### **ACHIEVEMENTS**

- UGC NET-JRF (2016); NET (2015, 2018); ICAR NET-II (2018); SET (2016); GATE (2012, 2014, 2016)
- Best Student Paper Award – LTC'23, AMU Poznań, Poland
- Multiple international conference presentations (SIGUL-2023, SPECOM, ICON)

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## DISSERTATION PROJECTS – AREAS OF INTEREST

Students interested in undertaking dissertation projects can explore the following areas:

- Text processing, Automatic Speech Recognition (ASR), Text-to-Speech (TTS)
- Phonetic transcription, Acoustic analysis, Machine translation
- Error detection & correction, OCR correction
- Modi-Devanagari script conversion
- GIS

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## SKILLS

- **Domains:** NLP, Speech Processing, Machine Learning, GIS
- **Languages:** English, Konkani, Hindi, Marathi

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## SELECT PUBLICATIONS

1. *Acoustic analysis of vowels in Konkani*. TALIP 21(5), 1–13 (2022)
2. *Empirical analysis of oral and nasal vowels of Konkani*. (2023)
3. *Konkani integer phonetic transcription system*. SIGUL (2023)
4. *Konkani phonetic transcription system 1.0*. SPECOM (2023)
5. *Konkani ASR*. ICON (2023)

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**Date: August 12, 2025.**