

# PADMA PRASADA



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📍 Mangalore, 574240

🌐 Padma Prasada

## COMPETENCES

- **NLP** : Specialized in natural language processing, focusing on improving NMT efficiency for low-resource languages,
- **Embedded Systems** : Expertise in VLSI design and embedded systems, integrating hardware and software for efficient solutions,
- **Data Science** : Experienced in data analysis, visualization, and predictive modeling using tools like Python,
- **Programming Languages** : Proficient in Python, C, and MATLAB,
- **Data Visualization** : Experienced in creating insightful visualizations using tools like Matplotlib, Seaborn, and Plotly,
- **Project Management** : Proven ability to lead and manage innovative projects, ensuring timely delivery and quality outcomes,
- **Research and Development** : Published multiple research papers in international journals and presented at various conferences,
- **Patent Filing** : Experience in filing patents, with one awarded and one under examination,
- **Technical Training** : Over 10 years of experience in teaching and corporate training, mentoring students and professionals,

## LANGUAGES

- English
- Kannada
- Hindi
- Tamil

# Data Science

## PROFILE

I hold an M.Tech in VLSI Design and Embedded Systems from Visvesvaraya Technological University, Belagavi (2013). Currently, I am pursuing a PhD in NLP, focusing on improving NMT efficiency for low-resource languages at Jain University, Bangalore. My research emphasizes embedded system design and machine learning applications. With over 10 years of experience as a Teaching/corporate trainer, I have published 5+ papers in international journals, attended numerous conferences, served on the Technical Program Committees of 12+ international conferences, and filed two Indian patents (one awarded, one under examination).

## EXPERIENCES

SDMIT, UJIRE 2023 –  
Assistant Professor, Department of Artificial Intelligence and Data Science Engineering.

FREELANCE TRAINER 2020 – 2023  
Seekify Technologies Private Limited, iQmetrics Solutions Private Limited.

MITE, MOODABIDRI 2013 – 2020  
Sr. Asst. Professor, Department of Electronics and Communication Engineering.

SNM POLYTECHNIC, MOODBIDRI 2010 – 2011  
Lecturer. Department of Mechatronics Engineering.

## PROJECTS

1990 CALIFORNIA CENSUS DATASET ANALYSIS 2024  
Analyze the 1990 California census dataset to extract key insights about the population, demographics, economy, and housing.

- Data Cleaning and Preprocessing, Correlation Analysis
- Built models to predict the housing price based on historical data

K-TECH INCUBATION CENTRE 2018 – 2020  
K-tech, the Government of Karnataka, funded a project titled "Smart Locket for Women Safety".

- Real-time location tracking, emergency alerts, and connectivity with smartphones.
- Embedded software to handle real-time data processing and communication tasks

KPIT SPARKLE 2014 – 2020  
Guided 10+ innovative projects consecutively, with finalists in the top 30 nationwide. Students received "Promising Innovator" awards and job offers.

- Developed a bio-fuel cell that generates electricity using biological materials.
- Study bio-fuel cell technologies to identify microorganisms suitable for wastewater treatment and electricity generation

## EDUCATION

IIT ROORKEE 2023 –  
Executive PG Certification Course in Data Science with AI—ML.

JAIN UNIVERSITY 2022 –  
Ph.D., Thesis title: A Deep Learning Hybrid Model for Improving Machine Translation of Low-Resource Language.

NMAMIT, NITTE 2011 – 2013  
M.Tech., Embedded Systems and VLSI Design.

ST. JOSEPH ENGINEERING COLLEGE 2006 – 2009  
B.E., Electronics & Communication Engineering.