

# Dr. Pravalika Koneru

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## Technical Knowledge

Languages	R, SQL
Tools	Tableau, Excel, Microsoft Office Suite
Skills	Data Analysis, Data Visualization, Database Management, Data Modelling & Transformation
Certifications	C-ECLS (Comprehensive Emergency care and Life Support)

## Work Experience

**Sowmya General Hospital**, Vijayawada, India June 2021 – June 2023  
Duty Doctor

- Diagnosed and treated patients in the department of general medicine.
- Responsible for teaching and guiding my junior colleagues during emergency procedures.
- Provided free medical services during health check-up camps set up by the Hospital in nearby towns and villages.

**Basaweshwar Teaching and General Hospital**, Kalaburagi, India October 2019 – January 2021  
Intern Doctor

- Attended clinical rotations in departments of General Medicine, Surgery, Orthopedics, Gynecology, Pediatrics, Ophthalmology, ENT, Psychiatry and Community medicine and provided primary care to patients.
- Observed and assisted with surgeries ranging from out patient procedures to major interventional procedures.
- Worked shifts during COVID pandemic to provide care and treatment to patients in need.
- Attended awareness programs for infectious disease prevention, menstrual hygiene and child immunization.

## Education

**Bouve College of Health Sciences, Northeastern University**, Boston, MA January 2024 – Present  
Candidate for Master of Science in Health Informatics Expected graduation: December 2025

**Mahadevappa Rampure Medical College**, Kalaburagi, Karnataka, India 2013 – 2019  
Bachelor of Medicine & Bachelor of Surgery

## Academic Projects

**Clinical Trial of Oral Ketamine for Chronic Pain Management in Children**, Database Design & Modelling December 2024  
Created and analyzed tables using MySQL and identified patient trends, efficiency metrics, and clinical outcomes.

**Accidental Drug Related Deaths from Opioid Overdose**, Introduction to Health Data Analytics December 2024  
Analyzed accidental drug-related deaths, focusing on opioid overdoses from 2012 to 2023 using R and Tableau. Performed statistical analysis, explored trends, demographic patterns, and substance involvement.

**Data Analysis of NYC Green Taxi Trips**, Collecting, Storing, and Retrieving Data July 2024  
Built a predictive model using KNN regression in R to predict tip amounts for taxi rides. Handled data normalization, and outlier removal. Visualized data trends and distributions in R Studio.

## Professional Membership, Activities & Interests

- Member of HIMMS New England Chapter.
- Volunteered and educated women in villages about menstrual hygiene, Contraception and Prenatal care. Provided mental health counseling to girls who needed it in 2017.
- Volunteered as a Substance Abuse Counselor in Basaweshwar Teaching and General Hospital in 2019.
- Volunteered for COVID Response Team to help diagnose, treat and rehabilitate patients in 2020.