

# K. RESHMA REDDY

GENETICIST | MOLECULAR BIOLOGIST | Ph.D. IN CLINICAL EMBRYOLOGY WITH 2 YEARS OF EXPERIENCE

reshmareddy.rk@gmail.com

www.linkedin.com/in/reshma-reddy

+91-9964253549

India

## SUMMARY

Geneticist with an MSc in Genetics and pursuing a PhD in clinical embryology, skilled in stem cell counseling and well-versed in embryology from hands-on internships. Seasoned in cancer research and passionate about genetic education as a faculty member for undergraduates.

## SKILLS

- **Technical Skills:-** AI Tools, Bioinformatic, GitHub, Machine Learning, Microsoft Office.
- **Academic Skills:-** Genetic Counselor, Literature Review, Mentoring, Program Coordination, Technical Writing.
- **Laboratory Skills:-** Cryopreservation, Data Recording, Sample Preparation, Semen Processing, Sperm Analysis.
- **Research Skills:-** Data Analysis, Data Interpretation, Grant Writing, Project Management, Team Collaboration.

## WORK EXPERIENCE

### GARDEN CITY UNIVERSITY (MARCH 2023 - MARCH 2024)

- Geneticist: Conducted lectures, guided research projects, and mentored students to foster critical thinking and advance genetic research in academia.

### CRYOVIVA BIOTECH PVT LTD (JUNE 2022 - JAN 2023)

- Counselor: Educating clients on the benefits of stem cell preservation for genetic disorder treatment and improved sales performance.

### GARBHAGUDI IVF CENTER (FEB 2022 - MAY 2022)

- Research Intern: Conducted andrology analysis, while gaining valuable embryology knowledge through project involvement.

### STROMA LIFESCIENCES PVT LTD. (DEC 2021 - JUNE 2022)

- Research Project: Anticancer activity targeting cervical and breast cancer.

## EDUCATION

### Ph.D., 2022 - Pursuing

GARDEN CITY UNIVERSITY.

### M.Sc, 2020 - 2022

GARDEN CITY UNIVERSITY.

### B.Sc, 2017 - 2020

MAHARANI LAKSHMI AMMANI COLLEGE.

## PROJECTS

### 1.Molecular Docking Simulations of Phytochemicals with Target Proteins.

- Investigating the potential of phytochemicals from sphagneticola trilobate against breast cancer and cervical cancer target proteins.
- Technologies used: PyMOL, Chimera, Discovery Studio, AutoDock.

### 2.Sphagneticola trilobata (L.): An enigma of anticancer activity

- Identified anticancer activity in cervical and breast cancer cells.
- Technologies Used: MMT Assay, DDPH, GC-MS (Gas Chromatography-Mass Spectrometry) analysis.

### 3. The study on clinical pregnancy rate in day 3 and day 5 embryo transfers: a cross-sectional retrospective study.

- Conducted a cross-sectional retrospective study analyzing clinical pregnancy rates in day 3 versus day 5 embryo transfers.
- Technologies Used: IBM SPSS, Microsoft Excel.

## CERTIFICATIONS

1. Databases and SQL for data science with python.
2. Deep learning with PyTorch: image segmentation.
3. Introduction to machine learning.

## LANGUAGES

- English, Telugu, Kannada, Hindi

## REFERENCE

Dr Muhammed Asif

Sr. Embryologist & IVF Lab Manager,

Cloudnine Group of Hospitals, Ludhiana, Punjab.