Cells as we know them have many molecular entanglements”. What are the molecular factors which control the signaling that enthralled me a lot? This question has often prompted me since childhood. Henceforward, I started to learn about elementary biological concepts of cells and their molecular entity in school. Sermons on DNA and RNA used to pique my interest in the colossal data these small strands carried. My attentiveness in these biological niches grew over time. What are the factors that distresses the cell signals in the disease state used pique me a lot since childhood?..

Subsequently after high school, I studied Bachelor of Science in **Advanced Zoology and Biotechnology at Vivekananda College Mylapore**. My undergraduate experience solidified my ideas and primed me for a basic attentive about life and Animal kingdom. Nevertheless, it was a plunge erudition endeavor. They factually equipped me with a lucidity of thought in basic zoology and basic biotechnology which stiffen me a lot.

My nitty-gritty Curiosity drove me to pursue **(postgraduate degree in Molecular biology at Dr. A.L.M. PG Institute of Basic Medical Sciences at university of madras Department of Genetics)**, where an encapsulated with a fabulous understanding **biomolecules, molecular biology of development, molecular and cellular endocrinology, gene expression and regulation, basic pathology, stem cell biology etc.** Which coordinated fine tune of elements enslaved me, bliss of molecular biology and stem cells prolonged my hunger to do a PhD?

Beyond the congregation gale hazes, a twin rotor transport of molecular biology in both theory and practical exposure in **DNA extraction, RNA extraction, PCR and buffers like TE, TBE, and TAE buffer preparations etc.** I did my final year project dissertation **Therapeutic investigation of collagen immobilized enzyme on extra-corporeal system. Techniques handed-down were MIC, MBC, and PVA-Collagen hydrogel matrix, SEM analysis.**

My voyage conceded on to a trivial symposium on **molecular** **medicine at Gujarat Charusat International Conference on Molecular Medicine (Molmed - 2011 International Conference on Molecular Medicine - Metabolic Disorders and Mini-Symposium on Ageing)**.

My acquaintance in **Vishakhapatnam TRIMS LAB was pulse-quickening, breath-teasing exploration**. (**Sk-mel-28** **Melanoma).NCI-H23 (Non-Small Lung Cancer Cell Line Culture) maintaining it in enriched growth media like MEM( Gibco ) in T25 Flasks at 5% CO2 AND 37\*C and IC50, Tissue Culture plates for MTT ASSAY in journal of pharmacy research in 2012**.

My apparition in pursuit of erudition approximate in human diseases by enduring corporeal working out rapt me to join SRM Medical Research Centre; Molecular biology lab was caressed remarkable transcendental opulence of sparkle, which hypnotized me yonder stormy clouds. It is a domicile I integrated and operated as junior research fellow **EICLUCIDATION OF MECHANISM BY WHICH PTU CLEARS the LEASONS IN PSORIATIC PATIENTS YOUNG SCIENTIST FAST TRACK SCHEME DEPARTMENT OF SCIENCE AND TECHNOLOGY,** which offered me an unselfish insight of Human disease.

I completed an **International Advanced Diploma in Stem Cells and Regenerative Medicine**. Ensuing remarkable step was booming out hands-on training on isolation and characterization **of human dental pulp mesenchymal stem cells were maintained in MEM medium, collagenase enzyme which was used as a amenable digestion, Tissue Culture 6 Well plate were used, haemocytometer for cell count, FTIR Analysis** , T-75 Flask. Nevertheless, it was a plunge learning endeavor, moreover, I observed a sparkling mesenchymal stem cells uproar in-vitro. Furthermore, it stood as the mesmerizing monument. At the outset, it was unbending to comprehend cancer cell culture as well as stem cells commotion which are often detrimental and it led to irrational stimulation binding to stabilization under inverted microscope. Later under proper regulation and proper supervision from my principal investigators and from diploma guide it vanished in a flash, subsequently my deprivation condition from such an experience enriched me to understand and solve enrichment peak.

Therefore, I think it is the best logical step in my carrier, is to understand cell tumult discerning known from potentially pinpoint beforehand unknown novel putative targets and rectify it, delineate the entire signal cascade in-vitro using stem cells and molecular biology.

I endured an online keep fit and workshop in **RNA sequence analysis in QSTATIX and bionivid**. Amalgamation as **process assistant** in trans-cell bio-life was like an exhilarating brainy actioner. Where, I ensured **human cord blood buffy coat storage for future use.** I am in quest of research opportunities in the interdisciplinary fields of **cell biology, chemistry, stem cells and molecular signaling with some NGS analysis.** Furthermore, I think it will immunize and unravel new premise in drizzly lab as well as computational NGS mechanisms and python scripting. Identify disease amending barebones. I have learned a lot from my wins and losses struggles while learning these techniques.

Yonder slated minuscule research experience and stubby cgpa. I am a natural leader and an organizer. My life ought to be so pungently ecstatic gasping chase and coaxing them through hoops through awesome forthcoming publications. **Pedagogy and laboratory infrastructure of your institute is top-notch. Hence doing my PhD at your lab is the most logical step in my academic career.**