



# NIVEDHANA R

## BIOENGINEER

- +91 9493786868
- Passport No: B9083178
- nivedhanaravi@gmail.com
- 188, 2<sup>nd</sup> cross , Vidhya Nagar ,  
Bommasandra , Bangalore .  
pin-560099

[www.linkedin.com/in/nivedhana-ravichandran-0b931b312](http://www.linkedin.com/in/nivedhana-ravichandran-0b931b312)

*A highly detail-oriented Bioengineering graduate with strong expertise in downstream processing, Next Generation Sequencing, quality assurance, clinical research, and regulatory affairs. Skilled to contribute in diverse fields including Genomics and Bioinformatics, Clinical Research and Data Management, and Regulatory Sciences within the biomedical and pharmaceutical domains.*

### SKILLS

#### Soft Skills:

- Communication & presentation
- Problem-solving & analytical thinking
- Teamwork, leadership & time management
- Research writing & documentation

#### Technical Skills:

- Genome & NGS analysis (DNA/RNA extraction, QC, sequencing, interpretation)
- Bioinformatics pipelines, molecular docking & multi-omics integration
- Chromatography, PCR, electrophoresis & microscopy
- Clinical trial design & data management
- GCP/GMP/GLP compliance & regulatory documentation
- Statistical analysis

#### Software:

- Python, R, SAS, MATLAB
- NGS tools: FastQC, BWA, GATK, SAMtools, STAR
- AKTA Pure, Empower, MS Office

### CERTIFICATION

- Certifications & Courses
- Certified in C, C++, CSS; Master in Python Technology
- PG Diploma in Bioinformatics – Clini Launch Research Institute
- Advanced Certification in Clinical Research, CDM & PV – Udemy (2025)
- Diploma in Clinical Research & Clinical Trials – Udemy (2025)
- Clinical SAS: Data Management & Analysis with SAS – Udemy (2025)
- Clinical Data Management Deep Dive (Basic-Advanced) – Udemy (2025)
- Master in Pharma Regulatory Affairs: FDA/EMA & Global – Udemy (2025)
- OSI 7 Layers & Networking Concepts – Udemy (2025)
- Quality Management – Great Learning (2025)
- Webinar: Statistical Analysis for Research Scholars (Graduate Level)

### PROFESSIONAL EXPERIENCE

#### Internships:

- Research Trainee at the Downstream Processing Lab  
**Aragen Life Science (July 2025 - August 2025)**
- Internship at the API R&D Peptides & Downstream department  
**Biocon Limited.(dec-2024 -may-2025)**
- Bioinformatics internship-SRM university  
**(June 2024)**
- Machine learning application to industrial drives and control  
**NIT Calicut.(June 2022 to July 2022)**
- Vaccine Technology-EDUFABRICA- IISC  
**Bangalore.**

#### Projects :

- Detection of HRV using ECG with help of Arduino.
- Detection of Paroxysmal Atrial Fibrillation using
- Machine Learning Algorithm.
- prototype for detection of prostate cancer.
- Purification of Lipopeptide.
- Purification of Monoclonal Antibodies .

### EDUCATION

**SASTRA Deemed University,**  
B.tech (Bioengineering) - 2021- 2025  
cgpa-8.13  
**Brindhvan Higher Secondary School,**  
**Pattukkottai.**  
XII-(2020-2021)  
92.3%  
**Brindhvan Higher Secondary School,**  
**Pattukkottai.**  
X - (2018-2019)  
93.4%

### LANGUAGES

- English
- Tamil
- Hindi
- Chinese (beginner )