

Palakurthi Kumar

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SKILLS

- **Languages:** Python, Biopython
- **Laboratory Skills:** Wet Laboratory: Skills Electrophoresis DNA/RNA Extraction PCR
Dry Laboratory: Skills Data Analysis, MATLAB, Bioinformatics Tools, BLAST
- **Data Management:** Microsoft Excel, MS Office
- **Power Skills:** Initiates conversation with others, Imaginative and empathetic, Ardent learner, organized
- and accountable, Rational and critical thinking

PROJECTS

- **Community Development Project:** Jun' 23 – Jul' 23
Skills: Amar Kranti Foundation | Fatehpur, IN
- Fieldwork- Arranged a learning program, "Basti Ki Pathshala," for children in slum areas
- Management of diseases- Increased awareness regarding COVID-19
- Environmental studies- Raised awareness to preserve rivers
- Campaigns- Conducted a structured event focused on empowering women

CERTIFICATES

- Python for Genomic Data Science | Coursera Sep' 23
- Precision Medicine | Coursera Mar' 23
- Data Science with Python | Coincent Dec' 22

ACHIEVEMENTS

- **Poster Presentation |**
Challenges, Innovations, and Environmental Considerations
Nov' 23 in the Preparation and Treatment of Simulated
Produced Water: A Comprehensive Review | ICMBSDG-2023 |
Department of Microbiology, School of Bioengineering and Biosciences | LPU
- **Oral Presentation |**
Machine Learning-based identification of potential Nov' 22 biomarkers for
tobacco-smoking-related lung tumor | ICBB-2022 | Department of
Biotechnology, School of Bioengineering and Biosciences | LPU

EDUCATION

- **Lovely Professional University** Punjab, India
BSC In Forensic science Since August 2023
- **Sri Tirumala junior college** Rajmundry, Andhra Pradesh
Intermediate; **Percentage: 92.2%** April 2021 - March 2023
- **Z.P.P.H School** Markondapadu, Andhra Pradesh
Matriculation; **Percentage: 94.8%** April 2020 - March 2023