

## Mayurakshi Pani

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### Objective

Creative and analytical Data Scientist with a focus on healthcare and social good. Adept at developing interpretable models and communicating insights effectively.

### Work Experience

#### **Data Scientist, MedPredict AI (2020–Present)**

- Developed deep learning models for medical image classification using CNNs.
- Created dashboards for real-time monitoring of ICU patient stats.
- Applied time-series modeling for early disease outbreak detection.

#### **Research Assistant, HealthNet Research Center (2018–2020)**

- Conducted statistical modeling for epidemiological studies.
- Published 2 peer-reviewed papers on ML in healthcare.

### Education

M.Sc. in Bioinformatics and Data Science – University of Toronto (2016–2018)

### Skills

- **Languages:** Python, R
- **Medical ML:** PyTorch, OpenCV, MedPy
- **Statistical Analysis:** SAS, StatsModels, SciPy
- **Tools:** Tableau, Jupyter, LaTeX

### Projects

- **COVID-19 Early Detection Tool** – Built model using patient vitals and achieved 91% accuracy.
- **Medical Image Segmentation** – Developed UNet-based tool for organ segmentation.
- **Bias Detection in Medical AI** – Created fairness audit framework for clinical models.