

PRIYA RAJ CHANDA

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GitHub | LinkedIn | HackerRank

EDUCATION

Centre For Development of Advanced Computing, Mohali Punjab, India
M. Tech. Computer Science & Engineering (Artificial Intelligence) August 2021 - September 2023
CGPA: 8.04 out of 10

Central Institute of Technology, Kokrajhar Assam, India
B. Tech. Information Technology July 2016 - August 2021
CGPA: 7.54 out of 10

Shrimanta Shankar Academy, Panbazar Assam, India
10+2 Science July 2014 - June 2016
Percentage: 68.8%

Don Bosco School, Sonaighuli Assam, India
HSLC January 2002 - June 2014
Percentage: 77.3%

SKILLS

Programming Languages: C, C++, Python, LaTeX
Libraries/Frameworks: PyTorch, Fast.ai, IceVision, Tensorflow, Keras

PROJECTS

Design of Spam E-Mail Filter Using Efficient Deep Learning or NLP Techniques Python, Convolutional Neural Networks, Natural Language Processing

- This research is focused on solving the problem of evolving unsolicited e-mails.
- The goal of this research is the design & development of an efficient and scalable hybrid multi-modal e-mail spam filter incorporating latest technologies.

Mobile App-based Tomato Disease Identification with Fine-tuned Convolution Neural Networks Python, Fast.ai, PyTorch, Deep Learning (CNN), Dart, Flutter

- This project proposes a multilingual mobile app-based tomato leaf disease identification system using pre-trained fine-tuned convolutional neural networks.

IoT-enabled strawberry leaf scorch disease detection using Deep Learning. Python, Fast.ai, PyTorch, Deep Learning (CNN), C#, .NET Core, SkiaSharp, ONNX

- The primary goal of this research is the development of an IoT-based strawberry leaf scorch disease detection scheme using lightweight CNN architectures and the .NET framework.

PUBLICATIONS

Nag, Amitava, **Priya Raj Chanda**, and Sukumar Nandi. "Mobile app-based tomato disease identification with fine-tuned convolutional neural networks." Computers and Electrical Engineering 112 (2023): 108995.
DOI: <https://doi.org/10.1016/j.compeleceng.2023.108995>

CERTIFICATIONS

- 6th Summer School on AI - **IIIT Hyderabad**
- Workshop on IoT & Its Applications - **CIT Kokrajhar ACM Student Chapter**
- Web Development using Python - **OgmaTechLab**
- Python Scripting and Security - **Techcracy 2016**
- Machine Learning Using Python - **Skyfilabs**

EXPERIENCE

Assistant Professor in the Department of Computer Science & Engineering at Academy of Technology, Hooghly (**February 2023 - Present**)

HONORS & AWARDS

Held the Student Member and College Treasurer position in CIT Kokrajhar ACM (Association for Computing Machinery) student chapter.

I declare that the information furnished above is true to my knowledge.
-Priya Raj Chanda