Priya Raj Chanda

» AIML and IoT Research Enthusiast

G priyarajchanda@gmail.com
📞 +91 70029 69004
🎂 05/06/1998
📍 Bhaskarnagar, Guwahati, Dist: Kamrup (M), Assam - 781018, India
🎓 **Google Scholar** | in **Linkedin** | ⍾ **Github** | 💼 **Portfolio**

Education

🏛 **Centre For Development of Advanced Computing, Mohali**   📍 Punjab, India
M. Tech. Computer Science & Engineering (Artificial Intelligence)   August 2021 - June 2024
CGPA: 7.73 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 e-mail spam image filter incorporating state-of-the-art 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

Amitava Nag, **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

• FDP on Recent Advancement & Future Trends in AI and ML (RAFTML) - **Abacus Institute of Engineering And Management, Hooghly, West Bengal**

• FDP on Internet of Things (IoT) with Artificial Intelligence (AI) and Machine Learning (ML) - **Academy of Technology, Hooghly, West Bengal**

• Fellow at 6th Summer School on Artificial Intelligence with focus on Computer Vision & Machine Learning - **IIIT Hyderabad**

- Project-based online course on Machine Learning Using Python - **Skyfilabs**
- Project-based Industrial Training Program on Web Development using Python - **OgmaTechLab**
- Internet of Things (IoT) & Its Applications - **CIT Kokrajhar ACM Student Chapter**
- Python Scripting and Security - **Techcracy 2016**

EXPERIENCE

Assistant Professor in the Department of Computer Science & Engineering at **Academy of Technology, Hooghly, West Bengal - 712121, India** 📅 28 February 2023 - 14 June 2024

- In my capacity at this institution, I served as the Faculty Course Coordinator for the following undergraduate courses:
  1. Introduction to Internet of Things
  2. Programming for Problem Solving
  3. E-Commerce & ERP
  4. Computer Networks Lab
  5. Fundamentals of Computer Science Lab

HONORS & AWARDS

Served as Student Member and College Treasurer for the Association for Computing Machinery (ACM) Student Chapter at Central Institute of Technology, Kokrajhar.

I declare that the information furnished above is true to the best of my knowledge.

-Priya Raj Chanda