Kuntal Sarkar

Roll No.:2211CS10
Mtech CS
Computer Science and Engineering
linkedin.com/in/kuntal-sarkar-282464140/

+91-6297080136
sarkarkuntal74@gmail.com
kuntal_2211cs10@iitp.ac.in
Indian Institute Of Technology, Patna

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech. (CSE)	Indian Institute of Technology, Patna	83.7% (7.88)	2022-2024
B.Tech. (CSE)	Jalpaiguri Government Engineering College , Jalpaiguri	71.5% (7.9)	2017-2021
HS(12th)	West Bengal council of higher secondary education	86.6%	2016
Secondary(10th)	West Bengal board of secondary education	80.2%	2014

EXPERIENCE

- **IIIT** *May 2019 - July 2019*
  Research Internship Allahabad
  – Cancer cell classification by using Deep learning Convolution Neural Network,Python, Tensorflow Keras
  – Developed a CNN to classify malignant and non malignant image from a cell image dataset

- **Webtek** *June 2018 - July 2018*
  Android developer Intern Kolkata, India
  – Developed an android app using android studio in android java
  – Made app mobile-friendly(food delivery app) and using firebase database

PROJECTS

- **Hand Recognize model by Emoji** *Feb. 2021*
  Pc camera or phone camera capture video and automatically showing emojis happy sad bored
  – **Tools & technologies used**: Machine learning, Python,Tensorflow,Hand image dataset

- **PharmaQube Blockchain Based Website System** *Mar. 2021*
  Used private key public key cryptographic SHA-256 used, it helps to secure patients information from hacker
  – **Tools & technologies used**: Python, HTML, CSS, JS, Postman

- **Handwritten Text Recognition** *April.2022*
  Users could simply draw a letter, and the system would accurately display the corresponding letter on the notebook
  – **Tools & technologies used**: Machine learning,Python,Keras,Tensorflow

- **Image Captioning** *Aug.2023*
  From an image to text generation, objects detected and classify which objects what do in text format
  – **Tools & technologies used**: Deep learning,Natural Language Processing,Python,Image and Vocab dataset

- **Social Media App API** *Sep.2023*
  Developed a RESTful API enabling users to create, read, update, and delete posts, profiles, and interactions.
  – **Tools & technologies used**: FastAPI, Python,databases for seamless integration and data management.

- **Power BI Churn Analysis** *Sep.2023*
  Comprehensive customer churn analysis, visualization to identify trends, patterns, potential causes of customer churn
  – **Tools & technologies used**: Power BI, Customer churn dataset

- **Flood Image Classification** *Sep.2023*
  Flood and non flood image classification by using image segmentation technique(ImageNet,ResNet)
  – **Tools & technologies used**: Deep Learning,Python,Tensorflow, Flood non flood image dataset

KEY COURSES TAKEN

- Algorithms, DBMS, Machine Learning, Deep learning, Artificial Intelligence, Edge computing, Blockchain

TECHNICAL SKILLS

- **Programming:** C/C++,Python,SQL
- **Tools & OS:** Jupyter Notebook, Google Colab, Windows Power BI, Visual Studio
- **Libraries/Frameworks:** Pandas, Numpy, scikit-learn, Opencv Matplotlib, Tensorflow, Fast API
- **Web Skills:** HTML/CSS/JS

Positions of Responsibility

- **Member of Sristi** I was Jalpaiguri govt engineering college techfest member
- **CFI Member** Center for Innovation, JGEC, Jalpaiguri   *Mar. 2018 - Apr. 2019*

Achievements

- **Secured 1st Position** In my 1st year college techfest I achieved 1st position, for rocket propulsion project   *2017*
- **Awarded** I awarded from Nptel for being local chapter   *2019*
- **Secured 3rd Position** Tech competition happened in Kolkata science city for iot based project energy saving model *2018*

Certifications

- **Scalable Data Science (Nptel)** I learned Data science all types of mathematical approaches by using Python
- **Big Data computing (Nptel)** I learned big data computing using Hadoop, Scala
- **Deep Learning (Nptel)** I learned deep learning, algorithm mathematical approaches
- **Machine learning (Udemy)** Image processing, CNN by python,Tensorflow

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