Soumya Mittal

Machine Learning and Data Science

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EDUCATION

O.P. Jindal University

Raigarh (C.G)

B. TECH 2021 - 2025
CGPA: 8.3/10

O.P. Jindal School

Raigarh (C.G)

Class 12th
Percentage: 89.4 %

Class 10th
Percentage: 89.4 %

SKILLS

Programming
- C • C++ • Python

Data Science
- Machine Learning
- Deep Learning • NLP

Development
- HTML • CSS • JavaScript
- React • NodeJS • ExpressJS

Platforms
- Linux • Raspberry • Windows

Software Framework's/Others
- MySQL • MongoDB • Firebase
- Flask • Scikit Learn • Tensorflow

Soft Skills
- Leadership • Public Speaking
- Negotiation • Teamwork
- Adaptability

COURSEWORK

Undergraduate
- Data Structures and Algorithms
- Database Management System
- Operating System
- Computer Networks

Certification
- Data Analytics Professional – Goggle
- Internet Of Things – Intel & FICE

EXPERIENCE

IBM Skills Build | AICTE Internship | Aug 18th 2023- Oct3rd 2023

Project Intern | Internship brought by Edunet Foundation
- Developed a sentimental analysis model that classify restaurant reviews, developed using supervised machine learning, evaluated using accuracy, precision and recall.
- ML-Model Used: Logistic Regression, Naive Baise Classifier, Random Forest Tree Classifier, K - neighbours Classifier, Support Vector Classifier.

PROJECTS (GitHub: Soumyamittal2003)

E-Krishak: (Team Project) Android App | Website | IoT device {Ongoing}
- It is an Institution's Innovation Council Approved Innovation for providing high-quality solutions to the challenges facing the agricultural sector.
- Major components will be Crop/plant disease identification, weather forecasting, pest detection and crop prediction.
- This prototype will help in reducing the indirect expenses of users(farmers), protect the crop/plant from any climatical incident & precaution from harmful disease.

Tech Learners: (Team Project) |Build within 36Hr Smart India Hackathon
- An Android application specially designed for the training of employees of an I-T company with the help of Artificial Intelligence.
- Based on the inputs (Domain, preliminary knowledge & experience level) the pre-trained model generates the personalized learning paths and recommends courses & video lectures.

Pest Detection & Crop Prediction
- Designed to detect the pest present in crop field using Pi-4 camera & provide a proper pesticide required for specific pest. And to predict the best suitable crop for Agricultural field based on Temperature, Humidity, pH of Soil, Rainfall of the Area.
- Model helped in reducing the Pesticide Dependency.
- Setup includes Raspberry-pi4, Pi camera module, DHT Sensor, Soil Moisture Sensor, a button and a LED light along with groove pi Kit.

Health Insurance Amount Prediction:
- Predicted the Insurance Amount for a person based on intricate attributes.
- Developed a web application using Flask framework, integrating deployed machine learning models.

ACHIEVEMENTS
- Team Lead & Finalist of YIC 2023 org.by MIC cell of MoE.
- Team Lead & Finalist of Smart India Hackathon 2023 org. by AICTE & MHRD.
- Invited to participated in the 20th IIC Regional Meet held at Banaras Hindu University, organized by AICTE & MoE.
- Selected as top Innovator to attend Innovation, Design & Entrepreneurship (IDE) Bootcamp at IISER Bhopal organized by Wadhwani Foundation, AICTE & MHRD.

PORS & EXTRACURRICULARS
- Active Member – IEEE Madhya Pradesh Section (ID:99325072)
- Technical Coordinator - OTCON 2.0 (O.P Jindal Tech. International Conference)
- Member – Google Developer Group Durg (GDG-Durg)
- Head Student Volunteer - NSS club, OPJU
- Event Manager - Technorollix'-23 (Intra-college Cultural and Technical Event)