

Pavan Kumar Kokkiligadda

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EXPERIENCE

VERZEO | MACHINE LEARNING INTERN

May 2022 – Jun 2022 | Bangalore

- Devised a Theft prevention system using AI and computer vision, which helps to get notified about intrusion into the house.
- The system recognizes the family members as innocent. It triggers an email with the captured picture if an intruder is found.
- Built Sentiment Analysis machine learning model using SVM and count vectorizer to label restaurant reviews as positive or negative, with an accuracy of 80.2 %.

INSANALYTICS | DATA ANALYTICS INTERN

May 2021 – Aug 2021 | Kolkata

- Implemented SEIR model (susceptible, exposed, infectious, recovered) to forecast COVID-19 cases Trends.
- Played an essential role in collecting, cleaning, preparing data for further analysis, and creating visualizations.
- Utilized Seaborn and Matplotlib for data visualizations and SciPy for curve fitting.

VENTILATION LABORATORY | TEACHING ASSISTANT

Aug 2022 – Apr 2023 | Kharagpur

- Assisted 3rd-year mining engineering students in performing ventilation laboratory experiments.
- Evaluated weekly Lab reports of 20 students and provided constructive feedback.

TECHNOLOGY MINING ENGINEERING SOCIETY(TMES)

CORE TEAM MEMBER

Aug 2018 – Apr 2021 | Kharagpur

- Led a team of 30 people that collected funds from professors for organizing several events in the annual mining fest.
- Played a crucial role in publicizing the fest across different institutes, resulting in a 10% increase in participants.

PROJECTS

FOOD ORDER FULL-STACK WEB APPLICATION

CLASS PROJECT

May 2022 – Aug 2022 | Remote

- Built a responsive food delivery website that includes authentication and allows users to add food items to the cart and place orders.
- Developed front-end using HTML, CSS, React, Redux, and back-end using NodeJS and Firebase and deployed on Netlify.

VIBRATION ANALYSIS OF HYDROCYCLONE

MASTERS THESIS PROJECT

Jan 2023 – May 2023 | Kharagpur

- Implemented Fast Fourier transform algorithm for denoising vibration signals acquired from hydrocyclone with an SNR of 6.15 and compared it with other denoising techniques.
- It is found that GRMS and RMS values increase with an increase in feed inlet pressure for all combinations of spigot and vortex finder.

EDUCATION

RUTGERS UNIVERSITY

MS IN COMPUTER SCIENCE

Jan 2024 - Dec 2025 | New Brunswick

Cum. GPA: 4.00 / 4.00

IIT KHARAGPUR

DUAL DEGREE

Aug 2018 - May 2023 | Kharagpur

Cum. GPA: 7.32 / 10.00

SKILLS

PROGRAMMING

2+ years:

Python • C / C++

1+ years:

HTML • CSS • JavaScript

0+ years:

MySQL • PostgreSQL

TECHNOLOGY


Git / Github • MongoDB • ReactJS

NodeJS • ExpressJS • NextJS

scikit-learn • PyTorch • TensorFlow

COURSEWORK

CERTIFICATIONS

Google Data Analytics Specialization 

CLASSROOM COURSES

Programming and Data Structures

Machine Learning Foundations

Advanced Machine Learning

Big Data Processing

Dependable and Secure AI-ML

Advanced Calculus

Linear Algebra

Probability & Statistics


ACHIEVEMENTS

- All India Rank 429 in Gate 2022 Mining Engineering- Monthly stipend 12400 INR
- 3-Star competitive programmer on CodeChef
- Rank 4 in All India Maths Science Talent Examination 2014-2015 - Gold Medal

LINKS

Portfolio Page:// [machaax](#) 

LeetCode:// [MachaaX](#) 

Codechef:// [machaax](#) 

Github:// [MachaaX](#) 