GREESHRAJ PATAIRIYA | 21HS10022

ECONOMICS (B.S.4Y)
MICRO SPL. in ARTIFICIAL INTELLIGENCE AND APPLICATIONS

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	4YRS B.S	IIT Kharagpur	7.81 / 10
2020	AISSCE(CBSE XII)	Jawahar Navodaya Vidyalaya	91.4%
2018	AISSE(CBSE X)	Jawahar Navodaya Vidyalaya	79.2%

INTERNSHIPS

Application Developer | Medsolu Pvt Ltd   [Feb'2023-Apr'2023]
•Conducted in-depth research on diverse health insurance types,utilizing analytical skills and **Python**(Pandas,NumPy &Seaborn) to analyze all possible policies, coverage options, and pricing structures for enhanced decision-making for the better product.
•Collaborated with cross-functional team to maximize project profitability, contributing to process through technical expertise.
•Played a pivotal role in the technical development of the product,implementing machine learning algorithms like **Scikit-learn**.
•Generated impactful reports and presentation,employing data visualization tools(**matplotlib seaborn**)& contribute in project.

PROJECTS

Automated Color Detection from Image | OpenCV
•Developed color detection application by using **OpenCV** and **Pandas**, allowing to obtain colors names by clicking on picture.
•Utilized a dataset with 865 color names &RGB values to calculate the distance from each color,showing proficiency in python.
•Implemented mouse event handling,image processing &creating a user-friendly interface with OpenCV, Pandas, and numpy.

Facetronix:Attendance Tracking with Face Recognition
•Developed accurate and efficient Face Recognition Attendance System with **OpenCV**, **Flask**,and **ML** libraries like **scikit-learn.**
•Utilized **KNN algorithm** for facial recognition, achieving instant identification and integration with a **Flask web application**.
•Cutting-Edge Biometric Attendance Ecosystem (Face), synergizing OpenCV, **Flask**, and avant-garde machine learning libraries.
•Achieved attendance tracking automatically storing all attendance records in an **Excel sheet** and view on the web page.

Person Portfolio : Frontends, Robust Backends, and Secure Transactions
•Crafted a dynamic portfolio website with ReactJS frontend,NodeJs(Express) backend &MongoDB database, featuring sign-in.
•Implemented **user authentication**,secure **payment gateway** for streamlined transactions and live **chat** functionality to user.
•Developed an engaging about-me platform showing projects and education,enhancing user experience on the portfolio site.

Weight Prediction with Random Forests
•Engineered a Python script using libraires for weight category prediction, incorporating StandardScaler for **feature scaling.**
•Implemented **Random Forest Classifier &Numpy, Pandas, Matplotlib** for Data manipulation, visulaization and analysis.
•Created a function for real-time weight category prediction, seamlessly integrating user input array with **preprocessed data.**

SKILLS AND EXPERTISE

Fluent: C/C++, Python (Numpy, scikit-learn, Pandas,Matplotlib, Seaborn,),SQL,NodeJs,ReactJS(HTML,CSS,JavaScripts), DSA.
Familiar: OpenCv, Tensorflow, Keras, cloud computing, streamlit
Tools &Software: Stata, MSOffice, Github, Docker(basic), VS Code,J upyter Notebooks, Postman, MogoDBCompaas.

POSITIONS OF RESPONSIBILITY

Tech-Head | Tech-Sub-Head | Kshitij IIT Kharagpur   [Aug'2022-Present]
•As a Head, leading **Asia's largest tech-fest** responsibilities with a focus on frontend using **React Js**(3D website), backend implementation with **NodeJS**(express), and using **MongoDB** as the database for user registration, events, sponsors page and **accommodation portal** with a **payment gateway** for the **website** for more than 100,000 participants during the Kshitij fest.
•In the previous role as **Tech-Sub Head**, I worked with the dynamic team in developing impactful frontend websites ktj.in and ca.ktj.in. Pioneered a **webathon** sponsored **by MongoDB**, with team emphasizing techical and **project management skills.**

Library and Alumni Affairs Secretary | LBS Hall of Residence | IIT Kharagpur   [Sep'22-May'23]
•At this position I effectively managed administrative duties and actively fostered meaningful alumni **event** for the 2022-23..

COMPETITION/CONFERENCE

•Secured 2nd position in the **Full Stack Developmen**t Hackathon, Hack-An-Intern, organized by KodeinKGP at IIT Kharagpur.
•Advanced to the 2nd round of the **Data science** competition hosted by **American Express**, showcasing Data Science skills.
•Attained **Codeforces contest** rank of 3122 out of 40336 participants, by utilizing the C++ expertise (CF Handle: **greeshraj**).

COURSEWORK INFORMATION

•Econometric Analysis   •Probability and Statistics   •Programming and Data Structures   •Financial Management
•Operations Research   •Statistics For Economics   •File organization and Database Systems   •Economic Data Analysis

EXTRA CURRICULAR ACTIVITIES

Volunteer at NSS, IIT Kharagpur: Demonstrated exceptional leadership,actively engaged in tree planting,welfare initiative, teaching to school childrens, and public rallies during the 7-day annual camp held in Malma and showcasing the top-tier skills.
Scouts &Guides:Attained Rajya Puraskar in Scouts and Guides at Jawahar Navodaya Vidyalaya, Jhansi, showcasing exemplary leadership, teamwork, and disciplined conduct during a transformative 5-day camp with a group of 17 peers in class eleventh.