OCEAN LAKRA

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SKILLS

Programming Languages - Python, JavaScript
Frameworks & Libraries - Flask, ReactJs, Pandas, Numpy, Scikit-learn, Tensorflow, Selenium, TailwindCSS, ShadCN
Databases & Other Tools- MySQL, MongoDB, Firebase, Git, Github, Figma

EDUCATION

NETAJI SUBHASH UNIVERSITY OF TECHNOLOGY   Dwarka, Delhi
Bachelor of Technology   Expected July 2026
- Major in Computer Science & Engineering ; **GPA - 7.00/10**
- Relevant Coursework: **Data Structures**, Software Engineering, **Operating Systems, Database Management Systems**, **Design & Analysis of Algorithms, Web Technology**, Computer Programming

RICHMONDD GLOBAL SCHOOL   New Delhi
Class 12 - Senior Secondary Examination; Aggregate - 92%   2022
- Relevant Coursework - Informatics Practices(Python) - Pandas, Matplotlib, Numpy

Class 10 - Secondary Examination; Aggregate - 95%   2020
- Informatics Olympiad Gold Medalist

PROJECTS & EXPERIENCE

E-UNIVERSITY (Summer Internship) **[GitHub](#)**   NSUT, Delhi
Web Developer Intern   May 2024 – Ongoing
- Built an API to verify NPTEL certificate authenticity in a 3-person team.
- Created a system for **online submission of NPTEL certificates, proposed for integration into the university management system.**
- Technologies used - Python, Flask, JavaScript, ReactJS, Figma(UI), MySQL, TailwindCSS, Git, Github, Selenium.

STRESS, DEPRESSION & ANXIETY DETECTION (Summer Internship)   NSUT, Delhi
Machine Learning Research Intern   May 2024 – Ongoing
- Trained model on algorithms like Random Forest, SVM and neural networks like ANN.
- Developed a model in a 3-person team which can predict correct survey results with **98% accuracy**.
- Skills and Technologies used - Python, Scikit-learn, Tensorflow, Pandas, Matplotlib.

AIR MOUSE **[GitHub](#)**   NSUT, Delhi
Computer Vision(OpenCV)   July, 2024
- Made a program which can be used to operate mouse pointer by hovering hand in air.
- Created a python script to move mouse pointer by reading hand moments through the webcam.
- Technologies used - Python, OpenCV, Mediapipe, Tkinter

LOGIN/SIGNUP PAGE (Course Project)   NSUT, Delhi
Database Management Systems   November 2023
- Made a basic Login/Signup page to create IDs and validate it using a MySQL database.
- Designed a database and connected it to a flask server to execute CRUD operations.
- Technologies used - Python, Flask, MySQL, HTML, CSS

CERTIFICATIONS

Programming in JavaScript(META) : https://coursera.org/share/620b8659f3f4f43271874fca32a1d2fc
Version Control : https://coursera.org/share/2e3b42eb71fc789e5b998b536199f7dc
React Basics(META): https://coursera.org/share/202ad383afedce93107327114f8506fe
Principles of UI/UX Design(META): https://coursera.org/share/05299ccc5711051faecf3febd3926eff

EXTRA ACTIVITIES

- Executive Committee Member at Venatus NSUT - Video Editing Head
- Senior ExeComm Member at ARES NSUT - (Graphic Designing)
- Team Member at YUVA NSUT - (Video Editing)
- Public Relations Co-ordinator for Moksha '24 & Resonanz '24