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PROJECTS

CODEFOLIO – Coding Progress tracker (Reactjs + ExpressJs) with Mongodb

Codefolio is a centralized dashboard that enables users to monitor their problem-solving statistics
- Users can track Total probelms solved , difficulty count and platform wise problems solved.
- Data fetching using API integration and Web Scraping.
- Assigns a C-Rank for every user to compare their performance with peers .
- Keeps track of upcoming events.

CAMPUS INNOVATION HUB - Freelancing Platform - (Reactjs + ExpressJs) with Mongodb

Developed a dynamic freelance platform website with intuitive user interfaces
- A Student with a startup idea can find students (within same univeristy) with matching skills to develop their project.
- within same univeristy - In-person collaboration can greatly enhance productivity and the intrinsic spark of the work.

IMAGE RECALLING/DENOISING USING AUTO-ASSOSIATIVE MEMORY NETWORKS -

Demonstrated effective image restoration without deep-learning architectures or large datasets, highlighting biologically inspired memory models.
- Implemented an Auto-Associative Memory model using a Hopfield Neural Network for image denoising and pattern recall.
- Stored and recalled binary image patterns using Hebbian learning to construct a stable, symmetric weight matrix.
- Designed a preprocessing pipeline involving image resizing, grayscale conversion, thresholding, and vectorization for Hopfield training.

WORK EXPERIENCE

SE Intern - Factset (Unpaid) $\hfill$ Dec 2023 - Jan 2024
- Worked as a Software Engineering Intern in the CRM team, handling bug fixes and configuration tickets without altering core system logic.
- Configured and enabled messaging services for new partner integrations by updating back-office settings and database entries.
- Linked partners to specific messaging services, ensuring controlled access and seamless onboarding of new partners.

Machine Learning Intern – Edunet Foundation $\hfill$ Dec 2023 - Jan 2024
- Built an Employee Burnout Prediction Model by experimenting with multiple models (Linear Regression, Decision Tree, Random Forest), with Random Forest achieving the best R^2 score of 0.9188.
- Performed data preprocessing and exploratory using pandas,numpy and seaborn identifying key burnout factors
- Tuned hyperparameters and applied cross-validation to enhance model robustness.

Education

2022 - present	UnderGraduation at **SRM Univeristy AP**	CGPA : 8.78
2020 - 2022	Intermediate at **Narayana Junior College**	- 946/1000
2019 - 2020	Matriculation at **Sri Chaitanya Techno School**	- 597/600

Acheivements

- Secured 22nd rank out of 65 teams at BITS Pilani Goa Hackathon and AIML Workshop

- Experience Letter – Edunet Foundation Internship (AI INTERN)

Skills

Languages/Technologies	: C, C++, Java, HTML5, CSS, JavaScript , SQL , OOP Concepts.
Frameworks / Tools	: MERN Stack (MongoDB, ExpressJs, ReactJs, NodeJs).
Databases	: MySQL , MongoDB
Core Skills	: Data Structures and Algorithms, Full-Stack Web Development,DBMS,OS,CN