DHEENA S

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CAREER OBJECTIVE

I am aspiring tech connoisseur with eagerness to explore and master the cutting-edge technologies such as programming and related fields, and my aim is to leverage my skill in interdisciplinary domains such as machine learning that activates me to thrive in multidisciplinary environments and deliver innovative solutions that exceed expectations.

TECHNICAL SKILLS

Programming languages
- Python
- JavaScript
- PROLOG

Machine learning modules
- Pandas,Numpy
- Sklearn,statsmodels
- Tensor flow
- NLTK

Data Visualization tools
- Orange
- Glueviz
- PowerBi
- Matplotlib, Seaborn

Web technologies
- HTML, CSS
- Bootstrap
- Node
- Express

Database
- MySql

Version Control
- Git and Github

PROJECTS

MINI PROJECTS

Fake Profile classification using random forest

Created a machine learning model that is trained on Instagram dataset, uses random forest classification algorithm to classify the genuine profile from fake profile.

Tech stack: Jupyter notebook, Pandas, Numpy, Sklearn.

Network Anomaly detection using Xgboost

Created a machine learning model for detecting network anomaly from a bunch of cellular tower data using Extreme gradient boosting algorithm and grid search strategy. I have created UI with HTML with CSS and Flask.

Tech stack: Spyder IDE, Pandas, Numpy, Sklearn, Flask

Project-link: https://github.com/Dheenack/Network-anomaly-detection.git

IN-HOUSE PROJECTS

GeekByte - Learn to code with ease

A web application project to create learning area and virtual laboratory for students in field of computer science especially programming languages.

Tech stack (Backend): MySQL, Node, Express, ESlint, JWT.

DocToYou - Bridge between doctor and patient

Currently working as a team leader, backend developer and database administrator in developing web application for the in-house incubated MSME entrepreneurship startup application.

Tech stack (Backend): MySQL, Node, Express, ESlint, JWT.

PERSONAL PROJECTS

DeepCode: Be a sorcerer supreme of AI, ML & DS

Created a code snippet extension in visual studio code for machine learning (Extension name: DeepCodeML).

Tech stack: vsce.js, javascript, vscode, snippets of machine learning.

Project-link: https://github.com/Dheenack/DeepCode.git

EDA for student data

Created an Exploratory data analysis on the real time student data that has been collected through google form.

Tech stack: pandas, numpy, matplotlib, seaborn, jupyter notebook.

Project-link: https://github.com/Dheenack/Student-EDA-research.git

Olivattam - pip module for color conversion and extraction from image

Created a pip module to extract list of colors from images and convert those hex colors in desired color code format.

Tech stack: PIL, Numpy, Colorsys, setuptools

EDUCATION

Bachelor of Technology	AISSCE	AISSE
Artificial Intelligence and Machine Learning CGPA: 8.56 IFET College of Engineering	Stream: PCMB Percentage: 84 Aristo public School	Percentage: 86 Aristo public School

INTERNSHIPS

- Web development using .NET at Cloudlogic technologies, Pondicherry
- Machine learning project using scikit-learn framework at VEI technologies, Chennai.
- Virtual Internship at Codsoft technologies on Java programming.

SOFT SKILLS

- Leadership
- Initiative
- Emotional intelligence
- Communication
- Attention to minor details

ACHIEVEMENTS

- Won first prize in Paper presentation on the topic of "Medical image classification and decision by Generative Adversarial Network" and got cash prize.
- Won First prize in the poster presentation with poster on topic "Reducing the computational cost of PIFUHD meta 3d modeling project by optimizing with neural networks".
- Won First prize in the Project expo with the project entitled as "Real-time DeepFake detection on videos."
- Won First prize in "zap zone" non-technical humor acting contest and won cash prize.

WORKSHOPS ATTENDED

- Attended workshop on topic of "Incorporating AI into Product development workflow "
- Participated in Workshop on topic of "IT roles and agile methodology"
- Participated in Workshop on topic of "Advanced network and cybersecurity strategies for industry resilience"

WEBINARS ATTENDED

- Attended the valuable webinar organised by VIJESHA IT SERVICES LLP on the topic of "Artificial intelligence and machine learning"
- Participated in 2 days webinar "Power BI Domination Workshop" on zoom application
- Actively participated in the webinar on the topic "Discovering UI/UX from fundamentals to career growth" organized by Atal Incubation Center.

COURSES AND CERTIFICATION

Cloud computing
Nptel - IIT KGP

Data Analytics using Python
Nptel - IIT KGP

Introduction to data analytics
Coursera (IBM)

Introduction to frontend development
Meta (through Coursera)

Generative AI for Software testing
Coursera (deeplearning.ai)

Introduction to CCNA
Cisco (through cisco netacad)

CCNA: Switching, Routing, and Wireless Essentials
Cisco (through cisco netacad)

HACKATHONS PARTICIPATED

Code Fest 2025 - International AI hackathon

Participated in "Code Fest 2025", an international hackathon at Arunai Engineering College, Tiruvannamalai.
We have completed our problem statement to about 40% of the solution.

Smart India Hackathon (2024)

Participated in SIH and we had developed a prototype of GeekByte virtual laboratory in-house project and successfully won in first round.

OTHER IT AND SOFTWARE SKILLS

- Twilio service: Gained experience through DocToYou In-house project.
- Google API: Gained experience through integrating google OAuth 2.0 in DocToYou
- Microsoft Office tools.
- Canva and Adobe photoshop

VOLUNTEERING ACTIVITIES

- Student teaching assistant during ISRO spacewalk event at IFET college of Engineering
- Member of NSS at IFET college of Engineering.

CLUB ACTIVITIES

- Secretary of AI coders' club in AI&ML department.
- Member of Cloak and Quill club at IFET college of Engineering.