Karthik K

POST GRADUATE INTERN

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PROFILE SUMMARY

An enthusiastic computer science student with expertise and hands on experience in data science and ML. Committed to lifelong learning and ready to work with a talented group of people to tackle different technical problems and improve technology. Looking for a position where I can use my technical talents in a renowned organization.

EXPERIENCE

Data Science and ML Intern

Analogica Software Development, Bengaluru   6/2025- Present

Responsibilities:

- Performed data preprocessing, cleaning and Feature engineering to improve ML model accuracy.
- Conducted Exploratory Data analysis (EDA) to identify trends and actionable insights.
- Researched emerging AI/ML technologies to enhance project performance.
- Built and optimized ML pipelines using Python.

Tools and Technologies used:

- Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, MySQL.
- VS Code, Git, Render, MySQL workbench.

ACADEMIC PROJECTS

HAPPINESS INDEX PREDICTION WEB APP
- Built and deployed a Flask-based web application to predict happiness based on income using Linear Regression.
- Implemented ML pipeline and deployed on Render for public access.
- Deployed on Render for real-time prediction: happiness-index-vyrk.onrender.com

AI – BASED DROWSINESS DETECTION AND ALERT SYSTEM
- **Focus:** To enhance road safety by monitoring driver alertness and preventing accidents caused by drowsiness.
- **Key features:** The system uses real- time monitoring of the driver's Eye Aspect Ratio (EAR) and provides audio alert if drowsiness is detected.
- **Implementation:** This framework was implemented using python with libraries such as OpenCV and dlib alongside real- time alert mechanisms.
- Drowsiness Detector

SKILLS

- **Programming Languages:** Python, Java, C Programming, Data Structures.
- **Machine Learning & AI:** Supervised & Unsupervised Learning, Regressions, Deep Learning, Scikit
- **Database Management:** MySQL, Oracle.
- **Operating Systems:** Linux, Unix, Windows.
- **Behavioural Skills:** Fluent Communication, Algorithmic thinking, Team work.
- **Tools & Technologies:** VS Code, Github, Git, Render.

EDUCATION

MCA   Jan 2023 – Pursuing
KLESNC, Bengaluru | CGPA: 8

BCA   Jan 2020 - Sep 2023
Mangalore University | CGPA: 7.9

PUC   Jun 2018 - Apr 2020
Govt PU College, Thirthahalli | 57 %

SSLC   Mar 2017 - Apr 2018
Sri Malenadu English Medium High School, Bejjavalli | 84%

DIGITAL BADGES

- Data science with python – Certisured (March- 2025).
- Machine Learning – IBM.
- Certified Java Programmer (12 Weeks) – NPTEL.
- Data Analytics and Visualization – Accenture

SCHOLASTIC ACHIEVEMENTS

- **Best Boy of MCA** – Awarded for excellence in academics, attendance, and co-curricular participation.
- **Best Boy of College** – Recognized for leadership, active campus involvement, and proficiency.