

MOKSHITHA K

22PD17

Gender	Female
Date of Birth	8 th November 2004
Languages known	English, Telugu, Tamil
Email	22pd17@psgtech.ac.in
Mobile	+91-9030643488
Github	github.com/MOKSHITHAHARI
LinkedIn	linkedin.com/in/mokshithak



Address

Srikalahasti mandal, Tirupati district,
Andhra Pradesh, 512640

OBJECTIVE

To obtain a student internship opportunity for a six-month period from May 2025 to November 2025 to gain hands-on experience.

ACADEMIC QUALIFICATION

Currently pursuing 3rd year of 5 year Integrated M.Sc. Data Science at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

SKILL SET

Languages	C++, C, Python, Java, R
Modules	Scikit-learn
Database Management and Tools	MySQL, Oracle, Microsoft PowerBI

AREAS OF INTEREST

- Data Analytics
- Full Stack Development
- Supervised Learning

ACADEMIC RECORD

• M.Sc Data Science PSG College of Technology, Coimbatore	2022-2027 8.48 CGPA
• XII (Higher secondary, SSC) Narayana Junior college, tirupati, AP	2022 98 %
• X (State board) Narayana School, Srikalahasthi, AP	2017 97.2 %

ACADEMIC PROJECTS

• LOANSURE : SMART PREDICTION FOR CONFIDENT APPROVALS

Developed an advanced machine learning model for predictive loan approval assessment, emphasizing secure and interpretable solutions. Implemented **differential privacy** and **SHAP**-based explainability techniques to analyze feature importance and provide detailed individual predictions. Designed an intuitive and interactive dashboard using **Streamlit**, enabling seamless loan evaluation based on customer profiles.

• SIAMESE NEURAL NETWORK : ADHD CLASSIFICATION

Developed a Siamese Neural Network to classify ADHD and non-ADHD individuals using **EEG** data. Designed the architecture with **convolutional layers** for robust feature extraction and pairwise similarity learning, employing **contrastive** and **triplet loss** functions. Evaluated model performance using accuracy and classification metrics.

• E-COMMERCE BOOK STORE WITH ADMIN DASHBOARD

Developed a fully responsive multi-page e-commerce website for book store management using **HTML, CSS, JavaScript, PHP, and MySQL**. Implemented core features such as multi-role login, shopping cart, product CRUD operations, order management, and an admin dashboard with a seamless user experience.

• MAP NAVIGATOR USING DIJKSTRA'S ALGORITHM

Implemented a Python project using **Dijkstra's** algorithm with a **fibonacci heap** to determine the shortest path between designated cities, featuring an **interactive map** for visualising the routes.

NON-ACADEMIC PROJECTS

• TEXT SUMMARIZER

Developed a Java-based text summarizer leveraging Apache OpenNLP for natural language processing and Swing for the GUI, providing a user-friendly interface for condensing lengthy text into key insights. Demonstrated expertise in Java programming

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Represented the school as a **kho-kho player** in multiple tournaments and competitions.
- Won a state-level gold medal in an **Abacus competition**, showcasing numerical aptitude skills.
- Contributed to the design team in fine-arts club, showcasing creativity.

DECLARATION

I, Mokshitha K, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore

Date : 20/11/2024

(Mokshitha K)