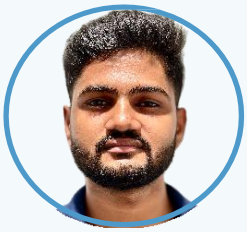

SHASHANK H L

Date of birth: 30/11/2003 **Nationality:** Indian **Phone number:** (+91) 9482611112

LinkedIn: https://www.linkedin.com/in/shashankhubballi **Email:** shashankhubballi30@gmail.com

WhatsApp Messenger: 9482611112

Address: Vijayanagara, Karnataka, India

Website: https://shashankhubballi.github.io/ShashankPortfolio

ABOUT ME

I am a passionate and highly motivated Graduate in Artificial Intelligence and Machine Learning. With a strong foundation in programming, mathematics, and data analysis, I am eager to expand my knowledge in data science. I have hands-on experience with machine learning algorithms, data visualization tools. My academic journey has equipped me with skills in Python, C, CPP and various Python frameworks. I am always eager to learn new skills and explore diverse opportunities that contribute to my continuous growth and advancement in my professional career.

EDUCATION

2025 B G NAGARA, India
BACHELOR OF ENGINEERING BGS Institute of Technology, B G Nagara – CGPA 8.23

2021 MANGLORE, India
PRE-UNIVERSITY CERTIFICATE Expert PU Science College – 93.5%

2019 HAGARIBOMMANAHALLI, India
SECONDARY SCHOOL LEAVING CERTIFICATE. Karnataka School Examination and Assessment Board – 92.96%

INTERN EXPERIENCE

2021 Delhi, India
INTERN YHILLS TECH PVT.LTD

• Gained hands-on experience in Machine Learning and Artificial Intelligence using Python and libraries like TensorFlow, Scikit-learn, and NumPy. Explored data preprocessing techniques, including data cleaning, feature engineering, and normalization.
• Built and evaluated machine learning models using supervised and unsupervised learning algorithms. Developed a basic AI model, tested it with various evaluation metrics, applied model optimization techniques, and collaborated with mentors and peers on real-world AI applications to enhance problem-solving and coding skills

2023 Mandya, India
INTERN INTERNSHALA

• Acquired in-depth knowledge of Data Science and Machine Learning with a focus on data-driven decision-making. Learned data analysis fundamentals such as data wrangling, exploratory data analysis (EDA), and statistical modeling. Gained expertise in data visualization using Matplotlib, Seaborn, and Power BI to create interactive dashboards.
• Explored predictive analytics and applied machine learning algorithms to real-world datasets, including a capstone project on New York taxi fare prediction using Python and visualization libraries. Understood AI integration in data science, including NLP, deep learning, and automation. Strengthened skills in Python, SQL, and cloud-based data analytics platforms for handling large-scale data.

2025 Bengaluru, India
INTERN SKOLAR

- Developed a **Plagiarism Checker Tool** as part of the final year internship, focusing on detecting content similarity using natural language processing techniques and Python.
- Implemented TF-IDF vectorization and cosine similarity to accurately measure text similarity.
- Designed a user-friendly GUI using Tkinter for input handling and result display.
- Applied text preprocessing (tokenization, stopword removal, stemming) to improve detection accuracy.

CERTIFICATES

- CS50 by Harvard
- Diploma in Computer Programming languages
- Artificial Intelligence and Python Libraries
- Python Programming

PROJECTS

GRAPHA (Graphical Password Authentication)

Tech Stack & Implementation: Developed a Graphical Password Authentication system using HTML, CSS, PHP, SQL, and DBMS to enhance security on websites and applications by replacing traditional text passwords with image-based authentication.
Functionality: The system adds an extra security layer by allowing users to select specific image patterns as passwords, making it harder for attackers to guess or brute-force credentials.

2022

Face Mask Detection

Tech Stack & Features: Built using OpenCV, Caffe-based face detector, Keras, TensorFlow, and MobileNetV2, the face mask detector is accurate and efficient without relying on morphed images. Its lightweight MobileNetV2 architecture allows real-time deployment on embedded systems (like Raspberry Pi), making it ideal for public safety in areas like airports, schools, and offices during Covid-19.
Dataset & Requirements: The dataset includes 4095 real images (2165 with masks, 1930 without) sourced from Bing API, Kaggle, and RMFD. All dependencies are listed in the requirements.txt file for easy setup.

30/10/2023

Customer Churn Prediction using ANN

Tech Stack & Model: Implemented using Python with Keras and TensorFlow to build an Artificial Neural Network (ANN) for predicting customer churn. The model learns from historical customer data (like tenure, services, and demographics) to classify whether a customer is likely to leave.
Dataset & Features: The dataset typically includes features like customer ID, gender, age, contract type, monthly charges, and churn status. After preprocessing (encoding, scaling, splitting), the ANN is trained and evaluated for accuracy in predicting churn, aiding businesses in retention strategies.

25/03/2025

A novel Encryption Approach for securing healthcare data

Tech Stack & Methods: The project secures healthcare data using Python along with encryption techniques like SM4, AES, and Rubik's algorithm. A block shuffling method is applied to enhance encryption and decryption security.
Recognition: The project's innovative approach to data security was recognized and published in an IEEE conference paper, highlighting its relevance and contribution to secure healthcare data management.

DIGITAL SKILLS

Python, C++, HTML, CSS, Kotlin, XML | Python: scikit-learn, NumPy, pandas, matplotlib, Seaborn, OpenCV, Pillow, SciPy | Machine Learning, Artificial intelligence, Web Development, Android app Development

LANGUAGE SKILLS

Language(s): **KANNADA, ENGLISH, HINDI, TELUGU, GERMAN(a1)**

VOLUNTEERING

01/2023 Mandya

Project Instructor

Volunteer Hackathon Organized by BGSIT
Helped the team to build a DBMS project using php and sql i.e. Vehicle Parking System

06/2024 Mandya

Project Mentor

Guided Students on System Design and Implementation of the Graphical Password Authentication

06/2024 Banglore

Hackathon Co-Ordinator

Successfully conducted the UTS Hackathon 2024 in June. Contributed as Project Mentor and the Event Manager.