# KHUSHI M APPANNAVAR

BE in Computer Science and Engineering, KLE-TU Hubballi

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## PROJECTS

### Analyzing sentiments of twitter dataset with DistilBERT and TF-IDF method (Python) ⧉

- Developed a sentiment analysis model to accurately classify text-based content which achieved 86% accuracy using DistilBERT, outperforming TF-IDF models (Logistic Regression: 82%, SVM: 83%).
- Managed data preprocessing and evaluating model performance metrics.

### Food Distribution System (Java, Spring, SQL, React) ⧉

- Built a website to connect surplus food holders (Restaurants and individuals) with NGOs.
- Responsible for backend development (database schema, RESTful APIs).
- Designed the user interface with React.

### Role-Based Hospital Management System for Cerebral Palsy Patients (Django, SQLite, Python, DBMS) ⧉

- Built a secure, role-based SaaS platform for managing patient records, therapy plans, and doctor-patient workflows.
- Enabled integration of plantar pressure data for analysis and tracking of rehabilitation progress.
- Ensured data integrity and granular access control, in collaboration with local clinics.

## Experience

### Intern at Haegl Technologies Pvt. Ltd., Hubballi                    Jan 2025 – May 2025

- Developed a hospital management website **(Django, SQLite)** for therapists and cerebral palsy patients to track progress and manage data.
- Researched center of pressure and gait analysis (pressure mat) and joint angle assessment (camera-based evaluation), testing models on dummy data with plans for real-world validation.
- Assisted in testing and debugging 3+ previously developed websites, identifying and resolving 95% of reported issues.

## TECHNICAL SKILLS

- Programming languages (C, C++, Python)
- Machine Learning (DL, CV)
- Data Analytics and Visualization (Excel, Python)
- Database (SQL, NoSQL)
- Web-development (React, Angular, Django)
- MS-suite (Word, PowerPoint, Excel)
- Technical Writing and Documentation

## CERTIFICATIONS AND PUBLICATIONS

- Paper "*Revolutionizing IPL Tickets using NFTs*" published in ICEI 2024, IITDh ⧉ — Nov 2024
- Paper "Query-Based Sign Spotting in Continuous SL Videos" presented at INCET 2025, JCE, Belgaum ⧉ — May 2025
- Paper "*Comparative Analysis of Traditional ML and DL Approaches for Twitter Sentiment Analysis*" presented at ADCIS 2024, BITS Pilani, Goa, to be published in Springer Book Series ⧉ — Aug 2024
- Fundamentals of Java Programming (Coursera, Board Infinity) ⧉ — May 2024
- Entrepreneurship Development Program (Turnip Innovations) ⧉ — Aug 2023

## EDUCATION

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|---|---|---|---|---|
| **BE - Computer Science** | KLE Technological University, Hubballi | CGPA: | 8.53/10 | 2025 |
| **Pre-University degree** | Chetan PU Science College, Hubballi (Karnataka State Board) | Percent: | 95/100 | 2021 |
| **Class X** | Guru Nanak Dev Public School, Bidar (CBSE) | Percent: | 95/100 | 2019 |

## Additional

### Student President (Jul, 2023 - Present) at KLE CTiE's ⧉ Make in BVB (MiB) ⧉

- led a team of 50, coordinating tasks and responsibilities across multiple colleges while managing financial operations as Treasurer for multiple events like Pupa ⧉, Ideation camp ⧉, Elvic, IIC Regional Meet ⧉, etc.
- Directed PUPA 2023 & 2024 with 300+ participants, 4-month process from planning to successful execution.
- Managed IIC Regional Meet with 400+ participants, overseeing a 6-day event.

### Participated in WED Hackathon

- Collaborated with a multidisciplinary team of 5 to innovate sustainable energy systems by combining solar energy harvesting with electrowetting technology.
- Proposed a hybrid system that addresses 15-20% of energy generation challenges in variable weather.

### Knit Workshop by Prakash Hegade (Attendee) ⧉

- Developed strong skills in Decomposition, Pattern Recognition, and Abstraction through hands-on exercises and case studies which strengthened problem-solving and design skills.