

SUHAS VENKATA

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GITHUB:<https://github.com/sUhas1011?tab=repositories>

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EDUCATION

PES University (Electronic City)

B.Tech in Computer Science
CGPA: 8.06/10.0 (Until Sem-6)

Bengaluru, Karnataka

Sep 2022 - present

SKILLS

Languages: Python, C, C++, Java, Rust

Frameworks & Libraries: TensorFlow, NumPy, Scikit-learn, Spring Boot, NLTK, SpaCy

Tools & Platforms: Git, Docker, Kubernetes, SQL, VSCode, Jupyter, Colab

Operating Systems: Windows, Ubuntu, Linux

EXPERIENCE

C3I(Centre of Cognitive Computing and Computational Intelligence) | Research Intern

June-August 2025

- Built a career advisory platform leveraging NLP, vector search, and data analytics to identify gaps between user resume skills and target job requirements.
- Recommended personalized online courses (primarily from Coursera) to help users bridge skill gaps and upskill effectively based on job description analysis.

PROJECTS

1. Block chain-Powered Healthcare Insights

March 2025

- Extracted actionable insights from Electronic Health Records (EHR) stored in IPFS, with unique IDs secured on a multi-chain blockchain to ensure data integrity and traceability.
- Enabled faster clinical decision-making by analyzing patient histories, predicting adverse reactions, and recommending personalized treatments using machine learning.

2. Chat-bot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industries

April 2025

- Built a legal chatbot that analyzes mining laws, regulations, and compliance rules to process user queries and retrieve relevant legal provisions.
- Used Sentence Transformer models and cosine similarity to detect contradictions between laws and retrieve the most relevant legal documents based on user input.

3. Alarm Burglar System using Arduino

April 2024

- Designed a C++-based Arduino security system using an ultrasonic sensor to detect unauthorized entry and trigger red LED, buzzer, and GSM alerts via SoftwareSerial.h.
- Configured the Arduino IDE and established serial communication for seamless operation, enabling real-time intrusion detection and automated alert notifications.

4. Cloud Storage Using UDP

March 2024

- Implemented a Python-based client-server system for secure file upload/download using socket programming and SSL certificates.
- Configured dynamic IP handling for both localhost and multi-system setups, enabling seamless file transfers, file listing, and command execution across networks.

ACHIEVEMENTS

Heal-O-Code Hackathon

March 2025

Top 10 out of 50+ teams in Heal-O-Code Hackathon (built a healthcare decision support tool using block-chain and ML).

CERTIFICATIONS

1. Problem Solving (Intermediate) Certificate in C

April 2024

URL: <https://www.hackerrank.com/certificates/eec4a0e910ee>

2. Artificial Intelligence A-Z 2025: Build 7 AI + LLM & ChatGPT

January 2025

URL: <https://www.udemy.com/certificate/UC-dd5487b2-df44-43e2-b10f-9e1a4328fb36/>

3. Get started with Jira Work Management

November 2024

URL: <https://university.atlassian.com/student/award/oJiYDSnoYvMro15a7BiX6Fz6>

RELEVANT COURSE WORK

Data Structures And Applications, Computer Networks, Operating Systems, Statistics For Data Science, Natural Language Processing, Machine Learning, Database Management Systems, Deep Learning, Data Analytics