

# VISHWAS HIREMATH

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## EDUCATION

### 10th Grade

Maski Abdullah Memorial High School, state board, Hutti (Raichur)

Score: 87%

Apr 2019 – Apr 2020

### 12th / Pre-University Course (PUC)

Sri Chaitanya PU college, Bangalore

Score: 92.87%

May 2020 – May 2022

### B.E. in ISE

JSS Academy of Technical Education, Bangalore

CGPA: 7.68

Aug 2022 – Present

## SKILLS

### Languages:

Python, Java, C, HTML, CSS, JavaScript

### Core Concepts:

Data Structures and Algorithms, Machine Learning, DBMS, OS, Computer Networks

### Frameworks & Libraries:

NumPy, OpenCV, YOLOv3, TensorFlow, Scikit-learn

### Platforms & IDEs:

Jupyter Notebook, Visual Studio Code

### Tools:

Git, MySQL, Power BI

### Soft Skills:

Problem Solving, Team Collaboration, Effective Communication, Analytical Thinking

## PROJECTS

### Smart Traffic Management System

Nov 2024 - Dec 2024

- Developed a real-time vehicle detection and counting system using YOLOv3.
- Integrated OpenCV and deep learning to dynamically manage signal durations based on congestion.
- Enhanced traffic flow by applying intelligent decision-making logic using computer vision.

### AI-Powered Health Chatbot for Rural Healthcare

Mar 2025 - Apr 2025

- Developed an AI-powered multilingual health chatbot using NLP and ML to provide symptom analysis, telemedicine referrals, and voice/SMS support for rural populations.
- Ensured HIPAA/GDPR compliance with WHO/CDC-trained models and collaborated with NGOs to deploy solutions for maternal/child health and chronic disease management.

### Healthcare Data Security using Federated Learning & Blockchain

Jan 2025 - Apr 2025

- Developed a privacy-preserving healthcare AI system using Federated Learning to train models on decentralized data and Blockchain for secure, tamper-proof record-keeping.
- Ensured HIPAA/GDPR compliance through data anonymization and secure aggregation while benchmarking performance against centralized systems for improved privacy & scalability.

## CERTIFICATIONS

### Machine Learning Specialization

Mar 2025 – Apr 2025

Stanford University — DeepLearning.AI

- Supervised/unsupervised learning, recommender systems, reinforcement learning.
- Applied machine learning models to real-world problems using industry-standard best practices.

### Python for Data Science, AI & Development

Jun 2024 - Jul 2024

IBM

- Gained practical experience with Python for data science, focusing on core programming concepts and OOP.
- Used Pandas, NumPy, and Beautiful Soup for data analysis and web scraping in Jupyter Notebooks.

### Foundations of Cybersecurity

Apr 2024 – Jul 2024

Google

- Covered CISSP's eight domains, security frameworks, and entry-level analyst responsibilities.
- Analyzed the impact of cyberattacks on organizations and the evolution of the cybersecurity field.

### Databases and SQL for Data Science with MySQL

sep 2024 – Nov 2024

- Gained hands-on experience with MySQL for data analysis and management tasks.
- Learned to write and optimize SQL queries for data extraction, manipulation, and reporting.