

# SOHAN K

Bengaluru, India | sohangowdak1@gmail.com | 7892447039 | LinkedIn | GitHub

## About Me

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Enthusiastic and detail-oriented Computer Science student with a passion for machine learning, software development, and emerging technologies. Eager to apply academic knowledge to real-world challenges and continuously learn in a dynamic work environment.

## Education

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**Visvesvaraya Technological University**  
Bachelor of Computer Science and Engineering  
CGPA: 8.47/10 (Till 6th semester)

Bengaluru, Karnataka  
*Expected June 2026*

**Excellent PU College**  
Karnataka Secondary Education Examination Board (KASEEB)  
Percentage: 92%

Moodbidri, Karnataka  
*July 2022*

**Cambridge School,K R Puram**  
Indian Certificate of Secondary Education (ICSE)  
Percentage: 93.2%

Bengaluru, Karnataka  
*July 2020*

## Projects

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### Signature Matching Using Traditional Image Processing

- Calculates signature similarity using SSIM and gives a clear percentage score..
- Was developed to detect the signature forgery in various platforms in today's world.
- User-friendly Flask app for uploading and comparing signature images easily.
- **Tech Stack:** Python, HTML, CSS, SSIM, SIFT ,Histogram

### Stress Detection in IT professionals

- The system uses facial expressions and micro-expressions captured via a camera to detect stress levels in IT professionals using machine learning models.
- Designed and implemented a Convolutional Neural Network (CNN) using Keras and TensorFlow to classify levels of stress among IT Professionals.
- **Tech Stack:** Python,Scikit-learn, OpenCV,TensorFlow / Keras, Flask

## Technical Skills

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- **Languages:** C, Java, Python
- **Machine Learning:** TensorFlow,Keras,Neural Networks, CNNs
- **Databases:** MySQL
- **Tools/Platforms:** Git, Windows

## Certifications

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- The Complete Python Pro Bootcamp - Python
- Supervised Machine Learning: Regression and Classification - Machine Learning
- Introduction to Software Engineering - CourseEra