

BUSAM JAHNAVI JYOTSNA

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Engineering

Computer Science and Engineering with Specialization (Health Informatics)

Cumulative CGPA: 8.55/10

Relevant Coursework: App development; Healthcare data analytics; Operating Systems; Algorithms; Data Structures, ML; Computer Networks

Bhopal, IND

Expected May 2026

NALANDA INTERNATIONAL PUBLIC SCHOOL (Class XII)

Biology, Physics, Chemistry, Computer science | Percentage: 88%

Hosur, IND

Jun 2020 - Mar 2022

WORK EXPERIENCE

MOOD INDIGO SQUAD MEMBER

Event Strategist

Bombay, IND

Dec 2023

- Participated in various campus events, such as career fairs, lectures, and workshops, to enhance skills and knowledge.
- Tackled real-time challenges at Mood Indigo and other events using creative **problem-solving** techniques.
- Demonstrated creativity and **quick decision-making** during event activities.
- Collaborated with diverse teams across events, fostering teamwork and **communication skills** while working towards common goals.

UNIVERSITY PROJECTS

MACHINE LEARNING MODEL TO PREDICT WATER QUALITY LEVELS

May 2024

- The project aims to develop a machine learning model to predict water quality levels, enhancing environmental monitoring and decision-making.
- Implemented an efficient data pipeline using Python and Pandas for data preprocessing and feature engineering.
- Built a scalable ML pipeline with automated ingestion, training & prediction.
- Trained and tested different models as a part of a project exhibition at my university.

FACIAL EMOTION DETECTION AND RECOGNITION

Dec 2024 - Present

- Developed a deep learning system to monitor student focus and detect suspicious behavior.
- Added features like screenshots, teacher alerts, and auto-logout for off-screen activity.
- Integrated into a web app for real-time exam monitoring with a user-friendly interface.
- Strengthened skills in deep learning, model training, and full-stack development.
- Delivered a secure, scalable solution for online exam integrity.

ACTIVITIES

EXPERIENTIAL LEARNING PROGRAM – VIT Bhopal University

Bangalore and Chennai

Sep 2024 – Oct 2024

- Acquired practical knowledge at TVS, contributing to the development and implementation of innovative **Industry 4.0** solutions while enhancing expertise in electric vehicle technologies through active participation in hands-on projects.
- Skilled in **IoT programming** using **Raspberry Pi PICO** and MicroPython.
- Gained insights into **wind energy**, its technology, and working principles through hands-on learning..

CERTIFICATIONS

- Bits and Bytes in Computer Networking (Coursera/Google)
- Network Defence (Cisco)
- Python Essentials (Scaler)

ADDITIONAL

Technical Skills: Java , Android Studio, HTML/CSS, JavaScript, SQL, Computer Networks, Operating System, Keras, Pandas, Numpy, TensorFlow, Application development, MATHLAB, DSA,YOLO

Languages: Fluent in English, Telugu, Tamil, Hindi.

Achievements: HackerRank **Gold 5-star** in Problem Solving, Cisco Network Defense Badge.