# Shrikant Sharma

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## EDUCATION

**VIT Bhopal University**
*Bachelor's of Computer Science Engineering*
*CGPA: 7.89/10.0*
**Emmanuel Mission School**
*Completed 10th with 81%*
**Children Public School**
*Completed 12th (PCM) with 82%*

## Technical Skills

**Language/Framework/Libraries :** C++ **,** Javascript , Python , Java , SQL ,HTML , CSS, Node.js ,
Express React , CSS , ML
Currently focusing on expanding expertise in Machine Learning And Artificial Intelligence
**Databases/Tools:** MongoDB , PostgreSQL, Prisma, Mongoose , Docker, Visual Studio Code , Aws Gen AI
**Data Structures and Algorithm**: Solved 250+ problems of DSA on Leetcode, Hacker Rank, GFG

## UNIVERSITY PROJECTS

### Chronic disease predictor                                                                                    Oct 2023

- Developed a comprehensive analysis of seven predictive models, achieving an impressive accuracy rate of 96% in forecasting diabetes and heart-related diseases through advanced machine-learning techniques.

- Evaluated diverse machine learning models including SVM, logistic regression, neural networks, and K-Nearest Neighbors; findings contributed to an enhanced accuracy rate of 96% in predicting diabetes and heart-related diseases.

- Compiled comprehensive findings into a structured research document detailing seven predictive models; this work enabled the identification of critical variables influencing health outcomes while aiding others in similar analytical pursuits.

### AI chatbot                                                                                                  Mar 2024

- This project is created by using Python and its libraries the technical skills of the project are
  Voice Recognition Integration, Speech-to-Text Conversion, Text-to-Speech Functionality, Web Automation, Email Automation, Desktop Application Interaction

- Can read the files given by the user

- Developed comprehensive web automation modules using the Wikipedia API and smtplib; enabled efficient retrieval of information from online resources while automating email communications, saving approximately 10 hours per week on manual tasks.

- Project Capabilities: Open specific websites (YouTube, Google), Search Wikipedia, Retrieve current time, Play music, Send emails, Launch desktop applications, Recognize and execute voice commands

**Advanced Programming Concepts :** Exception Handling , Function Development , Voice Command Processing , Modular Code Design , API Integration

### Mindsync:                                                                                                    Jul 2024

- Crafted a sophisticated ai driven facial recognition tool that identifies user emotional states with a 90% accuracy rate this innovation has reduced response times by an average of 30 seconds.

- **Technologies/Libraries :** , OpenCV, face_recognition library, NumPy, Python, TensorFlow/Keras (optional for advanced models)

- Project Components: Developed an advanced feature extraction technique that generated over 1,000 unique face encodings from diverse datasets; established an efficient recognition database enabling swift comparisons and matches with a remarkable accuracy rate.

- **Face Recognition Techniques:** Extract facial features, Create face encodings, Build a recognition database, Compare and match faces

- Implemented machine learning algorithms to enhance image processing capabilities, resulting in an improved feature extraction method that increased recognition speed by reducing average match time to under two seconds.

## ADDITIONAL

**Languages:** Fluent in, English, Hindi, Japanese
**Certifications & Training:** Cloud Computing Certification Completed a 12-week NPTEL course on Cloud Computing, covering cloud infrastructure, services, deployment models, and security.
**Soft Skills :** Analytical , Adaptable, Collaborator , Leader , polished communicator