SUSHILKUMAR PATIL

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Education

Ramrao Adik Institute of Technology, D. Y. Patil Deemed to be University	**July 2022 − 2026**
B.Tech in Computer Engineering CGPA: 7.61/10	*Navi Mumbai, India*
PSGVPM'S SCIENCE And Commerce College	**May 2020 − July 2022**
12th Grade, Percentage: 79%	*Shahada, Maharashtra*
Chavara English Medium School	**May 2008 − April 2020**
10th Grade, Percentage: 87%	*Shahada, Maharashtra*

Experience

CODE TECH IT SOLUTION — **May 2025**
FULL STACK — *Hyderabad, India*

- Participated in a 3-Month intensive online internship focused on full stack web development..
- Completed hands-on assignments in both front-end and back-end development.
- Collaborated with team members on real-time group projects using web technologies. .

Project Presenter — **March 2025**
Techsparks — *Mumbai, India*

- Presented , **NewsXtract: News Article Summarizer**at Techsparks 2025, an intercollegiate technical competition organized by the Department of Information Technology..
- Showcased a **Machine learning-powered summarization** tool designed to condense large volumes of news into clear, concise summaries.
- Engaged with judges and participants, explaining project methodology involving, **TF-IDF, TextRank, Luhn, and ensemble scoring** Techniques.

Projects

Doctor Appointment Booking System | *React, Node.js, Express, MongoDB, JWT* — **June 2024**

- Built a full-stack appointment booking platform for doctors and patients using React (frontend) and Node/Express .**(backend)**.
- Designed dynamic user interfaces for patients to search, book, and cancel appointments, and for doctors to view schedules and manage availability .
- Implemented JWT-based authentication and role-based access to ensure secure login and restricted functionalities for admins, doctors, and patients.

Multiple Disease Prediction Web Application | *Python, Streamlit, scikit-learn, XGBoost, ML Pipelines* — **May 2025**

- Developed an interactive Streamlit application to predict multiple diseases (Diabetes, Heart Disease, Parkinson's) from patient health data.
- Implemented machine learning pipelines with preprocessing, feature encoding, and classification algorithms including Logistic Regression, Random Forest, SVM, and XGBoost.
- Integrated trained models into a user-friendly web interface and deployed using Joblib for real-time medical predictions.

YouTube Video Summarization using BART | *Python, Hugging Face Transformers, PyTorch, YouTube API, NLP* **may 2023**

- Developed a system to automatically generate **text summaries of YouTube videos by transcribing audio and applying the BART** (Bidirectional and Auto-Regressive Transformer) model for abstractive summarization.
- Applied Hugging Face's pre-trained BART model for generating human-like summaries that preserved core video content in a concise format.

Technical Skills & Certifications

Languages: Python, Java, C, HTML/CSS, JavaScript	**CodTech IT Solution:** Internship Certificate
Frameworks: TensorFlow, Flask, React	**CodTech:** Full Stack Web Development
Tools: Git, SQL	**Techspark 2025:** Project Participation Certificate
Technologies: Deep Learning, AI, Machine Learning	**Node.js (Udemy):** The Complete Node.js Developer Course