

T J SHASHANK

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A passionate Python developer eager to start a career in software development. Possesses a solid foundation in coding principles, software engineering practices. Quick learner with strong communication skills, making it easy to collaborate and share ideas effectively.

EDUCATION

Bachelor of Information and Science Engineering, S J B Institute of technology 2022 - 2026

Current CGPA: 8.2

National Comp PU College 2020-2022

PU(PCMB)

Percentage:86%

Nivedita English Medium High School

10th Grade

Percentage:80%

SKILLS

Languages	Python, C, Java(Basics)
Developer Tools	VS Code,PyCharm Jupyter, Git, Google Colab
Database	MySQL, MongoDB
Frontend	HTML, CSS
Frame works	FastAPI, Flask
Soft Skills	positive, Decision making

PROJECTS

Video Transcript Summarizer.

- Developed an Video Transcript Summarizer using Flask, YouTube Transcript API, and Natural Language Processing (NLP) techniques to generate concise summaries of YouTube videos using both extractive (LSA) and abstractive approaches.
- Implemented a user-friendly web-based application with customizable summarization options, language detection and flexible input handling, enhancing content accessibility and user efficiency.
- Optimized performance and scalability by integrating advanced text processing techniques, supporting multiple summarization formats, and ensuring real-time summary generation for improved user experience.

BOLT-Breaking Obstacles with Lip-reading Technology(Ongoing).

- Developed a real-time lip-reading system using Python, OpenCV, MediaPipe, and deep learning (CNN + RNN/CTC) with a Tkinter GUI for live video input and text output.
- Applied NLP techniques (NLTK) for text refinement, including grammar correction and punctuation to enhance readability.
- Improved model accuracy and robustness through data augmentation, transfer learning, and planned multilingual support.

CERTIFICATIONS

- **DBMS** - Swayam
- **Postman API Fundamentals Student Expert** — Postman
- **Docker Essentials** – IBM Cognitive Class

VOLUNTEERING EXPERIENCE

- Educational Volunteer [Cognition India](#)
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