

T J SHASHANK

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Bengaluru, India LinkedIn GitHub

A passionate Python developer eager to start a career in software development. Possesses a solid foundation in coding principles and software engineering practices. Quick learner with strong communication skills.

Education

S J B Institute of Technology , B.E in Information Science and Engineering Current CGPA: 8.2	2022 – 2026
National Comp PU College PUC, Percentage: 86%	2020 – 2022
Nivedita English Medium High School 10th Grade, Percentage: 80%	2019 – 2020

Skills

Programming Languages: Python, Java (Basics), C (Basics)
Web Technologies: HTML, CSS
Frameworks & Libraries: Flask, React.js, OpenCV, MediaPipe, Tesseract OCR
Databases: MySQL, MongoDB
Cloud & DevOps: AWS (EC2, S3), Docker, Git, Linux Command-line, CI/CD (Basics)
Operating Systems: Windows, Ubuntu/Linux
Soft Skills: Problem Solving, Troubleshooting, Team Collaboration, Adaptability

Projects

Video Transcript Summarizer – Python, Flask, NLP GitHub — Docker

- Developed a summarization application using YouTube Transcript API and NLP pipelines for text extraction and transformation.
- Configured and deployed in Linux environment, managing dependencies and runtime configurations.
- Enhanced performance using vectorization and optimized preprocessing workflow.

Invoice OCR Web App – Python, Flask, React.js GitHub

- Implemented OCR-based invoice data extraction using Tesseract and parsed structured output into a database (ETL workflow).
- Designed an interactive UI with dynamic tables and data verification mechanisms.
- Added authentication and troubleshooting logs to support error tracing and system monitoring.

BOLT - Breaking Obstacles with Lip-reading Technology – Python, OpenCV, Deep Learning GitHub

- Built a real-time lip-reading model using CNN+RNN with CTC decoding, integrating MediaPipe for landmark tracking.
- Integrated NLP-based grammar correction and punctuation systems.
- Trained and evaluated models across Linux/Windows systems using GPU acceleration.

Certifications

- Docker Essentials – IBM Cognitive Class
- Operating Systems Basics – Cisco Networking Academy
- DBMS – Swayam
- Postman API Fundamentals Student Expert – Postman