

# Tanishque Sharma

Uttar Pradesh

Software Developer

Bachelor of Technology

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## PROJECTS

### • Web Based Personalized Learning Platform

*An AI-powered Personalized Learning Platform, accessible via a web interface.*

- Offers tailored educational content based on individual learning styles and preferences.
- Features include Presentation Generator, Notes Creator, and AI-powered Question Answering System.
- Utilizes Python, Google's GenerativeAI for content generation and Streamlit for the user interface.
- Research Paper: Transforming Education: The Era of AI-Powered Personalized Learning Platforms

### • Enhanced Speech Recognition and Abstractive Text Summarisation with wav2vec2 and Pegasus

*A comprehensive approach utilizing Python machine learning techniques to integrate text summarization with speech recognition.*

- Employs the cutting-edge Wav2Vec2 algorithm for precise voice recognition and the pre-trained Pegasus model for generating concise text summaries.
- Bridges the gap between oral and written communication, offering applications like transcribing speeches and interviews.
- Technologies Utilized: Python, Machine Learning, Wav2Vec2, Pegasus, Text Summarization, Speech Recognition.
- Published Paper: 163181-Enhanced Speech Recognition and Abstractive Text Summarisation with wav2vec2 and Pegasus, article with IJIRT

### AI Mock Interview Platform

*An interactive platform utilizing advanced speech recognition and AI to simulate realistic interview scenarios and provide feedback.*

- Utilizes advanced speech recognition for accurate transcription of spoken answers and generates tailored interview questions.
- Offers real-time voice interaction and feedback, enhancing interview practice with AI-generated content.
- Technologies Utilized: Python, Streamlit, Speech Recognition, Text-to-Speech, AI.

## EXPERIENCE

### Software Developer Intern

June 2024 - July 2024

Ev-leaf(OPC) Private Limited (Private Limited Group of Companies) – STARTUP INDIA     *Uttar Pradesh, India*

- Developed the company's website using Node.js and React.js, enhancing full-stack web development skills.
- Managed projects, ensuring timely completion of deliverables.
- Worked closely with cross-functional teams, improving communication and teamwork abilities.
- Explored various aspects of the tech industry, expanding technical knowledge and professional experience.
- Actively participated in stand-ups, code reviews, and knowledge-sharing as an agile team member.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Java, C/C++, Python, Javascript, HTML+CSS

**Libraries :** Python Libraries, ReactJs, NodeJs

**Web Dev Tools:** Nodejs, VScode, Git, Github

**Frameworks:** ReactJs, NodeJs, PyTorch, TensorFlow, OpenCV, Streamlit

**Cloud/Databases:** MongoDB, Firebase, Relational Database(mysql)

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

**Areas of Interest:** Web Design and Development, Machine learning, Android Development.

**Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability

## EDUCATION

– **Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence Machine Learning )** 2021-25  
*Sharda University, Greater Noida*     CGPA: 8

## ACHIEVEMENT AND RESPONSIBILITY

– Published Paper with International Journal of Innovative Research in Technology