KSHITIJ SINHA

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Education

SRM Institute of Science and Technology   **Sep 2022 – May 2026**
B.Tech in CSE with specialization in Artificial Intelligence and Machine Learning   *Chennai, Tamil Nadu*
CGPA: 9.00/10

Experience

Newton School Coding Club, SRM   **May 2024 – July 2024**
Non-Tech Head   *Chennai, Tamil Nadu*
- Manage all non-technical tasks, including event logistics, permissions, resources and ensuring events run efficiently.
- Plan events, seminars, and sessions, and work with the stakeholders to secure sponsorships and partnerships.
- Led a 40-member team, delegating tasks, managing backend operations, and promoting events.

MLSA Club, SRM   **Sep 2023 – Sep 2024**
Corporate Associate   *Chennai, Tamil Nadu*
- Write LinkedIn content to promote club activities and achievements.
- Help plan and organize events, secure sponsorships, promote activities and provide on-site support.

Projects

Gemini Chatbot | *Python, Flask, Gemini API, Docker, HTML, CSS, JavaScript*   **Sep 2023 – Nov 2023**
- Developed a full-stack chatbot web application using Google's Gemini API, capable of generating coherent, human-like responses to diverse user inputs.
- Integrated Flask backend with RESTful APIs and deployed the app via Docker for consistent, portable, and scalable containerized environments.
- Engineered a clean and responsive frontend using HTML, CSS, and JavaScript to facilitate seamless real-time communication between user and bot.

Real-Time Speech Transcriber | *Python, Wav2Vec2.0, PyTorch, Hugging Face*   **Apr 2024 – May 2024**
- Built a real-time speech-to-text system using Facebook's Wav2Vec2.0 model with Hugging Face Transformers for high-accuracy voice transcription.
- Enhanced audio clarity and transcription quality by applying real-time noise calibration and signal denoising to raw microphone input.
- Designed a Jupyter-based interface using IPython widgets, enabling users to record speech live and view instant transcription results.

Resume Screening System | *Flask, BERT, PyPDF2, HTML, CSS, JavaScript*   **Nov 2024 – Dec 2024**
- Engineered a smart resume screening platform that leverages BERT for semantic job role classification and keyword-based scoring for candidate matching.
- Automated PDF resume parsing and implemented dynamic graph-based visualizations to assess role fit and keyword coverage.
- Built an interactive web interface with a Flask backend and HTML/CSS/JS frontend to support file uploads, analysis, and feedback display.

Technical Skills

Languages: Python, C/C++, Java
Frameworks: NumPy, Pandas, Matplotlib, TensorFlow, Tkinter
Tools: Power BI, Excel, PowerPoint, Git, MySQL, SQLite,
Platforms: Visual Studio Code, Jupyter Notebook, PyCharm, Eclipse
Soft Skills: Communication Skills, Teamwork, Leadership, Problem Solving, Time Management

Certifications

Oracle Cloud Infrastructure 2024 Data Foundations Associate – Certified in OCI core concepts, Autonomous Database, and data management.

Alteryx Foundation Micro-Credential – Demonstrated skills in data preparation, blending, and visualization using Alteryx.

Coursera: Computer Networking – Covered network protocols, IP addressing, and security fundamentals.