Suraksha Chaudhary

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EDUCATION

Banasthali Vidyapith	**Rajasthan, India**
Bachelors of Technology (Computer Science)	*2021 - Ongoing*
CPS	**Uttar Pradesh, India**
Intermediate	*94.8%*

TECHNICAL SKILLS

Programming Languages: Python, C++, C
Development: HTML5, CSS, JavaScript, React.js, Vanilla.js, Express.js, Data Encryption, Spring, Django
Database: Oracle 19c, SQL, PostgreSQL, MongoDB
Tools: Git, Github, VS Code, Microsoft Office, Tableau, PyCharm, AWS, SubLime Text, GoogleCloud, Figma

PROJECTS

- **Voice-to-text Transcriber**   GitHub
  Developed an audio-to-text transcriber using Python in Google Colab, leveraging OpenAI's **WhishperAI** API.
  Successfully transcribed audio with over **95%** accuracy and processed files up to 30 minutes long within 5 minutes.
  Integrated **ffmpeg** for efficient audio handling and implemented medium.en model for robust transcription of diverse audio inputs.

- **Age-Gender Recognition**   GitHub
  Developed an age and gender recognition system using **OpenCV** and deep learning, achieving real-time processing capabilities.
  The model accurately classifies gender and predicts age across eight categories using pre-trained **Caffe models**.
  The solution processes images and videos, handling inputs at **10 frames per second** with high accuracy.

- **Beatmaker**   GitHub
  Created an interactive website using HTML, CSS, and JavaScript featuring six color-coded buttons, each triggering unique audio beats.
  Implemented responsive design ensuring optimal performance across devices, achieving **sub-100ms** button response time.
  Enhanced user experience through visually appealing **animations** and seamless audio playback integration.

- **Binaural Music Player**   GitHub
  Developed an interactive music player website using HTML, CSS, and JavaScript, featuring a **user-friendly interface** that streams binaural beats.
  Achieved **sub-100ms response time** for seamless playback controls and integrated over 20 unique audio tracks.
  Enhanced user engagement with dynamic animations and intuitive navigation, resulting in a **30%** increase in session duration.

- **Tableau Desktop**   Tableau
  Maintained a Tableau profile specializing in **data analytics** and **visualization**, creating **interactive dashboards** and reports to drive data-driven decision-making.
  Analyzed **diverse datasets** to uncover actionable insights, enhancing business strategies.
  Leveraged advanced Tableau features to develop compelling visualizations.

ACHIEVEMENTS

- **Microsoft Azure WE-HACK**   January 2023
  Led a team of three in the Microsoft Azure WE-HACK hackathon in January 2023, securing a spot in the **Top 10** among 300+ participants.
  Demonstrated strong leadership and technical skills in a competitive environment.

- **Hack Celestia**   March 2023
  Led a team of three in a **national-level AI hackathon** at my university, securing **4th** place among over 650+ participating teams.
  Demonstrated strong leadership, innovative thinking, and advanced AI skills in a highly competitive field.