

SIDDHARTHA

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DOB: 05-April-2005

SKILLS

Programming Languages	C/C++, Java, JavaScript , Python
DBMS	MySQL, MongoDB
Frontend Technologies	React.js, HTML/ CSS
Designing technologies	Canva , OnShape
Operating System (OS)	Linux

Courses :

- Characterization of Materials
- Fundamentals of Materials Engineering
- Phase Transformation in Materials
- Metal Extraction
- Basics of Transport Phenomena in Material
- Thermodynamics of materials

PROJECTS

Voice Recognition System:

- Developed a voice-based person identification system using advanced signal processing and machine learning techniques.
- Implemented feature extraction algorithms such as MFCCs and spectrogram analysis for accurate voice profiling.
- Designed and trained classification models (e.g., SVM, CNN, or LSTM) for speaker recognition with high accuracy.
- Integrated preprocessing modules including noise reduction, silence trimming, and normalization for robust voice input.

Mini Project

Collected and processed global datasets to analyze the economic impact of digital transaction trends during the COVID-19 pandemic

- Clustered countries into treatment and control groups based on digital payment growth and COVID-related variables.
- Visualized cross-country comparisons and key insights through Python and Excel dashboards for impactful presentation.
- Applied regression and causal inference models to quantify the effect of increased digital transactions on GDP and consumption behavior.

EDUCATION

Course	Institute	Year of Passing	Result
B.Tech (Major: MT)	IIT Jammu	Expected 2027	6.36 CGPA (Till 3rd Semester)
12th Standard	DDPS , Kota	2023	93.2%
10th Standard	KV , Gomti Nagar Lucknow	2021	94.2%

ADDITIONAL INFORMATION

Position of Responsibility :

- Class Representative of branch in first year (2023-2024)
- Mentor, Institute Mentorship Program – Guided junior students on academics, campus life, and course selection.
- Outreach Head in FinTech Club of IIT Jammu
- Sponsorship Head in Abhivyakt (Literary Club of IIT Jammu)
- Core Team Member in Pragyan, biggest educational fest in Jammu region
- Sponsorship Head in Malang-the music club of IIT Jamun