Vishnu S
B.Tech Artificial Intelligence and Data Science
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Examination	University	Institute	Year	CGPA
BTech	Anna University	Karpagam College of Engineering	2026	8.70
HSC	State Board	Thiyagi NG Ramasamy Memorial Hr.Sec School	2022	9.0
SSLC	State Board	Thiyagi NG Ramasamy Memorial Hr.Sec School	2020	8.21

SKILLS SUMMARY

Languages: Java, Python, SQL, R, Scala, HTML, CSS, JavaScript, C++
Frameworks: Django,Apache Hadoop, Apache Spark, TPOT, H2O.ai
Libraries: Pandas, NumPy, Scikit Learn, Matplotlib, Tensorflow, Keras
Platforms: Git, GitHub, Tableau, PowerBI, Jupyter Notebook, VS Code, Dev C++, Eclipse, Docker, Streamlit, Google Colab
Soft Skills: Active Listening, Public Speaking, Written Communication, Adaptability, Emotional Intelligence

KEY PROJECTS

Optimizing the Vehicle Routing Problem Using Genetic Algorithms | Self Project   *[Jan '25 – Present]*
- Implemented a Genetic Algorithm-based approach to solve the Vehicle Routing Problem using the DEAP library.
- Designed a customized fitness function to efficiently evaluate and optimize routing solutions.
- Used Matplotlib to visualize optimization outcomes and performance improvements.
- Achieved superior route optimization, significantly reducing computation time and enhancing efficiency.

Mouse Controller Using Hand Gesture | *Python, OpenCV, MediaPipe, TensorFlow/Keras*   *[Jul '24 – Aug '24]*
- Created a gesture-based system to control a computer mouse using computer vision.
- Integrated hand detection, gesture recognition, and cursor control in real-time.
- Enabled functionalities like clicks, scrolling, and cursor movement through gestures.

MLOPS for Student Performance Evaluation| *Python, ML, Docker, Streamlit*   *[Mar '24 – Apr '24]*
- Designed and implemented an MLOps system for evaluating student performance.
- Improved data-driven decision-making and optimized machine learning model deployment processes.
- Utilized Python, VS Code, Docker, and Streamlit for development, containerization, and visualization.

AutoML Cancer Prediction | *H2O.ai, TPOT, Python, Google Colab*   *[Feb '23 - Mar '23]*
- Implemented an AutoML-based cancer prediction system to analyze patient data and identify potential cancer occurrences, leveraging Python, H2O.ai AutoML, Scikit-learn, and Docker for model deployment
- Led the implementation of AutoML algorithms for cancer prediction, enhancing accuracy and operational efficiency
- Utilized Python, H2O.ai AutoML, TPOT, Scikit-learn, and Docker for development and deployment.
- Conducted experiments with multiple AutoML frameworks to compare and optimize model performance.

CERTIFICATIONS
- QlikSense Business Analyst Certification   *[Sep '24]*
- NPTEL Course on Deep Learning IIT Ropar (Elite)   *[Nov '24]*
- NPTEL Course on Foundations of R Software (Elite + Silver)   *[Oct '23]*
- NPTEL Course on Data Analytics with Python (Elite)   *[May '24]*

SCHOLASTIC ACHIEVEMENTS
- Achieved First Price in Presentation Marathon conducted by Department of IT, KCE   *[Jan '25]*
- Achieved 1st Prize in WordPlay conducted by AD Department   *[Nov '24]*
- Secured 1st Prize in PPT Presentation conducted by Orator's Club   *[Oct '24]*
- Coordinator of Braini-Hack (IntraLevel Hackathon)(AD Department)   *[Sep '24]*
- Won 1st Prize in Eureka Idea Pitching Contest   *[Oct '23]*

EXTRA-CURRICULAR ACTIVITIES

Technical	Participated in a Workshop on LLM Models for Gen AI -PSG	*[Mar '23]*
	Indulged in the Bangalore Tech Summit'23	*[Nov '23]*
Non-Technical	Frequently conducted Lectures on Complex topic for my Classmates	*[Nov '22-Dec '24]*
	Conducted Lectures on Django Framework for my Juniors	*[Aug '24]*