

MADHAV WADHWANA

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◊ LinkedIn: [Madhav](#)

◊ Github: [Madhav](#)

◊ Portfolio: [Madhav](#)

EXPERIENCE

Product Development Intern

July 2024 - Oct 2024

VisiLean Ltd

Ahmedabad, Gujarat

- Leveraged GitHub *GraphQL* API for data ingestion and ETL processing, generating JSON-based analytical reports to enhance repo intelligence.
- Implemented a *Cesium JS*-powered 3D geospatial visualization module, augmenting UI/UX interactivity for geospatial analytics.
- Refactored and optimized Power BI dashboards, streamlining data pipelines and enhancing BI visualizations for data-driven decision-making.
- Synergized with cross-functional Agile squads throughout the *SDLC*, driving seamless *CI/CD* workflows from design inception to production rollout.

SKILLS

Languages

C/C++, Python, Java(Beginner), HTML, SQL

Libraries/Frameworks:

PyTorch, TensorFlow, Git, Docker, OpenCV, Flask, Django, Spring Boot(Beginner)

Technologies:

Visual Studio, Microsoft 365, AWS (EC2, SageMaker, etc), Azure, HuggingFace

Database:

PostgreSQL, MongoDB

EDUCATION

Marwadi University, India

July 2021 - May 2025

Bachelor's in Computer Engineering, Specialization in Artificial Intelligence

Relevant Coursework: Machine Learning, Data Science, Representation Learning (incl. LLMs)

PROJECTS

Password Generator

[Github](#)

- Developed a Java console application project focused on password generation and strength assessment. Utilized Apache Maven for streamlined project management and dependency handling.

Attendance Tracker using JSP, JDBC, HTML & CSS

[Github](#)

- Developed an Attendance Tracker using JSP, JDBC, HTML, and CSS, facilitating simplified tracking and management of attendance records for educational or organizational purposes.

Billing System using Java Swing & JDBC

[Github](#)

- Engineered a Billing System with Java Swing and JDBC, enabling users to manage transactions, generate invoices, and maintain a sales database efficiently.

Cryptocurrency Price Difference Prediction

[Github](#)

- Built a Bi-directional LSTM model using TensorFlow and Keras to predict cryptocurrency price differences from historical data.
- Optimized model performance through hyperparameter tuning and integrated real-time data via API for accurate forecasting.

QR Generator

[Github](#)

- Developed a dynamic webpage utilizing an API to generate QR codes from user-input text, enhancing user interactivity and functionality. Implemented efficient front-end design ensuring seamless integration and userfriendly experience.

3D Globe Integration

[Github](#)

- Developed and integrated a 3D globe feature into a web application using Cesium JS. Enhanced user interaction with geographical data by enabling interactive geographical visualizations. The globe was designed to be fully responsive and accessible across different devices.