SHIVANII M

(+91)8015519424 | shivanii.422008@gmail.com
https://www.github.com/Shivanii-2420
https://www.linkedin.com/in/shivanii-m-614378250/

SUMMARY

Aspiring ML engineer with hands-on experience in ML/DL model development, data analytics (Excel, Power BI), and Java (including advanced Java, Spring, SQL integration). Strong communicator, quick learner, and team player committed to continuous growth in tech

EDUCATION

Primrose School(10th STD/ ICSE) - 83.8% (2018-2019)
Aditya Vidyashram (12th STD/CBSE) - 82.6% (2020-2021)
St.Joseph's College Of Engineering - 8.57CGPA(2021-2025)
(BTech/Artificial Intelligence &
Machine Learning)

CERTIFICATIONS

Mathematics for Machine Learning- Linear Algebra (Coursera),
Front End Development (Ocean Academy)
Python Programming (Infosys Springboard, Ocean Academy),
Ethical Hacking, demystifying networks (NPTEL)
Diploma in Java Programming (Ocean Academy)

SKILLS

Languages & Frameworks: Python (Basics), Java (Core, Spring, Spring Boot), SQL, HTML, CSS, JavaScript, Bootstrap
Data & Analytics: Power BI, Microsoft Excel, Qlik Analytics, NumPy, Pandas, Matplotlib, YouTube Analytics
Tools & Platforms: Postman, Jira, Figma, Canva, Streamlit, Audacity, nmap, Kali Linux, GrokXD, Hailo, Kling, Pika, Runway, Luma, InVideo
Methodologies: Agile, Scrum, Functional Testing
Soft Skills: Problem Solving, Leadership, Team Collaboration, Time Management, Critical Thinking, Content Creation

PUBLICATIONS

Classification of Brain Autoimmune Diseases using Deep Learning: A Predictive Approach (2025 International Conference on Electronics and Renewable Systems)
DOI: https://doi.org/10.1109/ICEARS64219.2025.10940451

EXPERIENCE

-5G and Telecommunications Intern at Ericsson

(July 24th 2024– 7th Sept 2024) Interned at Ericsson, contributing to 5G network optimization and automation, with exposure to LTE, 5G NR, and cloud-native systems.

-Micro Intern at Tata |*Data Analytics Intern* (July 29th, 2023)

Completed a data visualization program at Tata, mastering Power BI to design impactful dashboards and derive actionable insights. Gained hands-on experience in data storytelling, business analysis, and interactive reporting.

-Database Management (MySQL) Intern at Vilora Technologies (May 10 to 30th, 2023)

Completed a data analysis internship with a focus on MySQL, developing complex queries and optimizing database performance. Performed data cleaning, created insightful reports and dashboards, and collaborated with teams to deliver tailored, data-driven solutions.

-Front-End Development Intern at Ocean Academy

(May 1 to 30th, 2023) Gained strong front-end development skills using HTML, CSS, JavaScript, and Bootstrap through hands-on projects.

-Machine learning Intern at RBG.AI (January to April,2024)

Contributed as a Machine Learning Engineer at RBG.AI, on a voice cloning project for personalized storytelling. Led end-to-end development of a product that adapts stories to user preferences and narrates them in custom voices, while actively exploring advanced ML research within the team.

-Data Analytics Intern at Fractal-Apps Pvt Ltd

(January to April, 2025) Currently exploring Qlik Analytics and social media data analytics, while actively working with AI tools like Claude.ai, Qwen, Grok XD, Hailio.ai, Kling, Pika, Runway, Luma, Udio, and InVideo. Gained hands-on experience generating AI-powered insights and content, and regularly share learnings and projects on social media to engage with the tech community and stay updated with emerging tools.

ACHIVEMENTS

Winner, Hack-AI-Thon at St. Joseph's College, Chennai – Land Use vs GDP Analysis
Winner, Paper Presentation at Saveetha Institute – Same topic as above
Finalist, Smart India Hackathon 2022 – Biofuel supply chain optimization
Finalist, Agri Hackathon 2023, TNAU – AI-based pest and disease forecasting
Finalist, Hackfest 2024, CMR College – Urban Heat Island mitigation dashboards

PROJECTS

-A Comprehensive Analysis of Land Use and Land Cover Classes Impact on State-wise Economic Growth (Sept 2023 – Dec 2024)

It helps the users to understand the concept of financial processes developed through land and the business conducted over it. There are several aspects on which the GDP of a state or the land use depends so this project mainly helps those who are landlords and further shall be helpful for the government in the field of data analytics.

- Utilized machine learning models to predict future GDP using data from government sources.
- Developed **Power BI dashboards** for visualizing economic impacts and opportunities based on land use and land cover.

-Dish Recommendation System for Time Constrained Cooking

(Jan 2024 – April 2024)

Aim of the project was to help those who are new to cooking and are confused about what to cook with the ingredients and time constraints they have.
The input, taken from the users where ingredients and time they have and the output was the recommendation of dishes all over India containing dishes from all the states. Approached this with **Random Forest and KNN** at the beginning but ended with Google Bert.

- **Google BERT** was chosen for its advanced **natural language processing (NLP)** capabilities.
- BERT's transformer architecture includes self-attention mechanisms for bidirectional understanding of textual data. Pretrained on extensive datasets, BERT effectively handles recipe details, user preferences, and dietary restrictions.
- BERT's ability to generate contextually relevant recommendations enhances food recommendation system **accuracy**.

-Bank Application for Savings and Interest (March – April 2025)

Built a full-stack system using Spring Boot, Thymeleaf, and Bootstrap to manage savings accounts, interest rates, and transactions. Implemented OOP concepts like inheritance and static variables, with real-time UI feedback and exception handling.
Extended functionality with:

- **MySQL integration** via Workbench for persistent storage
- **REST APIs tested in Postman**
- Designed for **multi-bank support** using two scalable approaches

-Hotel Database Management (April – 2025)

Designed and implemented a relational database in **MySQL** to manage hotel operations, including hotel groups, hotels, rooms, guests, and bookings. The system ensures **data integrity** through primary and foreign key constraints, supports **room availability tracking**, **booking conflict prevention**, and **dynamic pricing calculations**. It enables efficient querying for reporting and supports **scalable multi-hotel operations** with validation rules for guest details, booking dates, and payment statuses.