

Pavithra M

pavithramohanrajofficial@gmail.com

<https://www.linkedin.com/in/pavithra-mohanraj/>

Chennai, India

9042248181

<https://pavithra-m-portfolio.netlify.app/>

Professional Summary

Results-driven Computer Science and Business Systems student with expertise in MERN full-stack development, Data Science, and Machine Learning. Skilled in building scalable applications, optimizing algorithms, and enhancing UI/UX experiences. Passionate about developing data-driven solutions to improve efficiency and user engagement. Strong analytical thinker with hands-on experience in deep learning, cloud computing, and interactive visualizations.

Experience

V.B.C Developers

Full Stack Developer Intern

July 2024 - September 2024

- Developed and optimized React.js components, reducing page load times by 20% and improving site responsiveness.
- Refactored backend logic in Node.js and Express.js, decreasing API response time by 30%.
- Integrated MongoDB databases and RESTful APIs, enhancing data retrieval efficiency by 15%.
- Collaborated on UI/UX improvements, leading to a 25% increase in user engagement.

Brainovision Pvt Ltd

• 2022-2026

Data Science Intern

Jan 2024 -Feb 2024

- Assisted in analyzing large datasets, improving data processing efficiency by 20%.
- Cleaned and organized raw data, reducing inconsistencies by 30% for better model accuracy.
- Developed interactive data visualizations, enhancing data interpretation and decision-making.

National Small Industries Corporation Ltd

Deep Learning Intern

Feb 2024 - Feb 2024

- Built and optimized deep learning models, increasing prediction accuracy by 25%.
- Processed and analyzed 500,000+ data points, enhancing model training efficiency by 30%.
- Fine-tuned predictive algorithms, reducing error rates by 15% and improving processing speed by 20%.

Educational Background

Rajalakshmi Engineering College

- B.Tech Computer Science and Business Systems
- Currently enrolled in a specialized undergraduate program that integrates core computer science education with essential business principles.

Technical Skills

- Programming Languages:** Java, C, C++, Python, HTML, CSS, JavaScript
- Databases:** SQL, MongoDB
- Tools:** Power BI, MS-Excel, Visual Studio, Figma, Git, GitHub
- Backend Technologies:** Node.js, Express.js
- Frameworks & Libraries:** React, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn (Sklearn)
- Machine Learning:** Experience with machine learning algorithms and data preprocessing
- Cloud Technologies:** AWS, Oracle

Projects

TRAIL ROOM – AI-Powered Virtual Try-On System

- Developed a virtual try-on system for clothes using real-time video capture, integrating machine learning (ML) and deep learning (DL) for enhanced accuracy.
- Designed a computer vision pipeline that improved garment overlay accuracy by 35%.

TRANSLAAI – Multilingual Chatbot

- Built an auto-recognizing multilingual chatbot using Python, improving translation efficiency by 40%.
- Leveraged NLP models to enhance chatbot accuracy and response time.

Power BI Dashboard

- Built an interactive Power BI dashboard, analyzing Blinkit business data to extract actionable insights.
- Designed data visualizations that improved decision-making efficiency by 30%.

Blogging Website

- Developed a full-stack interactive blogging platform using the MERN stack, enhancing user engagement.
- Integrated real-time content updates and optimized UI for a seamless user experience.

TASTECRAFT – Data-Driven Food Analysis

- Utilized Data Science to analyze key factors influencing food taste, enhancing product development and improving customer satisfaction by 25%.
- Applied statistical models to identify user preferences and trends in food ratings.

StarCoffee – Interactive Coffee Ordering App

- Designed an interactive & responsive coffee ordering app using Figma, improving user experience.
- Created an intuitive UI/UX layout, enhancing user satisfaction by 30%.

Soft Skills

- Problem Solving
- Analytical Thinking
- Critical Thinking
- Effective Communication
- Team Collaboration
- Time Management

Certifications

- Oracle** - Cloud Infrastructure 2024 Certified Foundations Associate
- Oracle** - Cloud Infrastructure 2024 Certified AI Foundations Associate
- Oracle** - Cloud Data Management 2023 Certified Foundations Associate
- Oracle** - Database Programming with SQL
- Oracle** - Database Programming with PL/SQL
- NPTEL** - Data Science for Engineers
- NPTEL** - Google Cloud Computing Foundations
- NPTEL** - Big Data Computing

Achievements

- SIH 2024 Nominee:** Top 25 in REC's 24-hour Hackathon for **Smart India Hackathon selection**.
- Sustainability Champion:** Winner at Hack Summit 7.0 (SRM University, 24-hour **International Hackathon**).
- Hackathon Winner:** 1st place in DataSprint 2.0 (**AI Hackathon**, Sai Ram Engineering College).
- Top 5 Finalist:** 5th place in Hackmageddon (24-hour intra-college Hackathon).