Pavithra M

My Contact

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Professional Summary

Motivated Computer Science and Business Systems student with robust expertise in MERN full-stack development, Data Science, Machine Learning, and UI/UX Designing. Leveraging technical skills to drive innovative projects and support collaborative team environments.

Experience

V.B.C Developers
MERN Full Stack Intern

- Engineered and enhanced MERN stack applications, reducing load times by 20%.
- Refactored code and restructured resource management to improve responsiveness.
- Designed and deployed RESTful APIs, boosting database query efficiency by 15%.

National Small Industries Corporation Ltd
Deep Learning Intern

- Built and refined deep learning models, increasing prediction accuracy by 25%.
- Processed and analyzed 500,000+ data points, accelerating model training by 30%.
- Configured computational processes through parameter tuning, improving efficiency.
- Calibrated predictive algorithms, cutting error rates by 15% and increasing speed by 20%.

Brainovision Pvt Ltd
Data Science Intern

- Streamlined large-scale data handling, improving efficiency by 20%.
- Investigated complex datasets to extract actionable insights and trends.
- Standardized and cleaned raw datasets, reducing inconsistencies by 30% for better accuracy.
- Developed structured data pipelines to ensure quality and reliability.
- Transformed raw data into interactive dashboards for seamless analysis.

Education Background

Rajalakshmi Engineering College
- B.Tech in Computer Science and Business Systems (Nov 2022 - May 2026)   **CGPA: 9.1/10**

Technical Skills

- HTML
- CSS
- Javascript
- React.js
- Express.js
- Node.js
- MongoDB
- SQL
- MS-Excel
- Power BI
- Tableau
- Python
- Data Science
- Machine Learning
- Figma
- C
- C++
- Java
- Oracle
- Cloud Practioner

Soft Skills

- Assembled a fully functional prototype in 24 hours, achieving 100% project completion.
- Diagnosed 3+ critical issues and applied data-driven solutions, increasing feasibility by 30%.
- Assessed 5+ strategic approaches, mitigating risks and elevating effectiveness by 25%.
- Collaborated within a 5-member team, presented to 10+ judges, and secured 90% positive feedback.

Projects

TRAIL ROOM – AI-Powered Virtual Try-On
- Designed an AI-driven virtual try-on system with real-time video capture, integrating ML and DL for accuracy.
- Configured a computer vision pipeline, increasing garment overlay precision by 35% across 500+ test cases.

TRANSLAAI – Multilingual Chatbot
- Developed an auto-recognizing chatbot in Python, improving translation efficiency by 40% across 20+ languages.
- Upgraded NLP models, reducing response latency by 25%.

Power BI Dashboard
- Constructed a dashboard analyzing 1M+ Blinkit data points, accelerating decision-making by 30%.
- Created advanced visualizations for 5+ key business metrics.

Blogging Website
- Architected a MERN-based blogging platform, increasing user engagement by 45%.
- Integrated real-time updates, lowering bounce rates by 20%.

TASTECRAFT – Data-Driven Food Analysis
- Leveraged Data Science to evaluate 100K+ user reviews, driving product enhancements by 25%.
- Identified emerging food trends using statistical models.

StarCoffee – Interactive Coffee Ordering App
- Designed a Figma-based ordering app, improving accessibility for 500+ daily users.
- Crafted an intuitive UI, elevating customer satisfaction by 30%.

Certifications

- **Oracle** - Cloud Infrastructure Certified Foundations Associate
- **Oracle** - Cloud Infrastructure Certified AI Foundations Associate
- **Oracle** - Cloud Data Management Certified Foundations Associate
- **Oracle** - Database Programming with SQL
- **Oracle** - Database Programming with PL/SQL
- **MongoDB** - Introduction to MongoDB for Students
- **MongoDB** - Database Admin Path (Self-Managed) Database Administrator (DBA)
- **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, advancing for Smart India Hackathon.
- Sustainability Champion: Winner at Hack Summit 7.0 (SRM University) for an innovative sustainability solution.
- Hackathon Winner: 1st place in DataSprint 2.0 (AI Hackathon, Sai Ram Engineering College).
- Top 5 Finalist: 5th place in Hackmageddon, a 24-hour intra-college Hackathon.
- Top 45 Finalist: Finalist in Hack4Purpose (UN SDG-focused Hackathon).

Hobbies

- I am also equipped with **Financial Knowledge** since I have an unquenchable interest to get to know and learn about finance.
- Explore new things across all Domains.
- Staying Updated
- Learning a new Language

Extracurricular Activities

- **Organized an event** named Codequest in my department Symposium named Technovation at REC.
- Member in **YUVA** Club at College.
- Member in **LEO** Club at College.
- Contributed to Shramdaan for Swachh Bharat Mission via College **NSS** Club.
- Participated in Pregrad AIML **Quiz** Contest via Unstop.
- Participated in **Hackfest'24** a National Hackathon hosted by **SAP**.
- Participated in **HackZ'24** Hackathon organized by the College of Engineering Guindy (CEG).
- Participated in **NITS HACKS 7.0** in Software Track organized by the National Institute of Technology, Silchar.
- Coordinated to organize **Designathon 2024** (2nd project contest on Design Thinking) at REC.
- Coordinated to organize **Smart India Hackathon (SIH 2024).**
- Participated in the event **Chamber of Python** at Magnifica Symposium at SIMATS.
- Participated in the **Paper Presentation** event at Magnifica Symposium at SIMATS.
- Participated in the Paper PInnacle (**Paper Presentation event**) at NEURONEX'24 Symposium at Velammal Institute of Technology.

Events Attended

- International Level Student Workshop - 2024 on **Data Science using Python.**
- Python Programming Workshop by Top Engineers
- **IOT** 360 Webinar conducted by IEEE - CIS.
- Notion Box **Data Science** Webinar conducted by IEEE - CIS.
- **American Embassy** Workshop on Understanding Climate Change.
- **Umagine TN** Global Conference at Chennai Trade Center.

Personal Information

- Name : Pavithra M
- Date of Birth : 23.06.2005
- Age : 19
- Father's Name : Mohan Raj R
- Mother's Name : Sujatha K.R
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