

Pavithra M

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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

EY Global Delivery Services & AICTE

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 • Node.js • Tableau • C
- CSS • MongoDB • Python • C++
- Javascript • SQL • Data Science • Java
- React.js • MS-Excel • Machine Learning • Oracle
- Express.js • Power BI • Figma • 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 with Voice Output

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

Blinkit - Power BI Dashboard

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

Task Master - Task Management Web App

- Architected a MERN-based Task Management platform, (includes CRUD operations) 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

Event Organization & Leadership

- Spearheaded Codequest – A competitive coding event under Technovation Symposium at REC.
- Managed Designathon 2024 – Led a design thinking project contest at REC.
- Facilitated Smart India Hackathon (SIH 2024) – Assisted in planning and execution.

Clubs & Community Engagement

- Active Member, YUVA Club – Supported youth empowerment initiatives.
- Volunteered with LEO Club – Assisted in community service projects.

Social Impact Initiatives

- Contributed to Shramdaan – Joined cleanliness drives for Swachh Bharat Mission via NSS Club.

Hackathons & Tech Competitions

- Competed in Hackfest'24 – A national hackathon hosted by SAP.
- Took part in HackZ'24 – CEG's (College of Engineering Guindy) hackathon.
- Engaged in NITS HACKS 7.0 – Software Track event by NIT Silchar.
- Tested skills in Pregrad AIML Quiz – AI/ML competition on Unstop.

Symposiums & Research Presentations

- Demonstrated Python expertise – At Chamber of Python (Magnifica Symposium, SIMATS).
- Presented technical research – Paper Presentation event at Magnifica Symposium, SIMATS.
- Shared findings at Paper Pinnacle – NEURONEX'24, Velammal Institute of Technology.

Workshops & Professional Development

- Attended an International Data Science Workshop – Gained hands-on experience in Python for Data Science (2024).
- Completed a Python Programming Workshop – Led by industry experts to enhance coding proficiency.
- Participated in IoT 360 – IEEE-CIS webinar on emerging Internet of Things (IoT) trends.
- Engaged in Notion Box Webinar – IEEE-CIS session on Data Science tools and applications.
- Joined a U.S. Embassy Workshop – Explored frameworks for climate change mitigation.
- Attended Umanage TN Conference – Global tech summit at Chennai Trade Centre focusing on innovation and policy.

Personal Details

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