



Mythili M

Full Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with expertise in web application development, AI solutions, and cloud services. Skilled in HTML5, CSS3, JavaScript, Python, Java, and AWS technologies. Proven track record of creating secure, scalable applications that enhance user experiences and boost operational efficiency by up to 45%. Seeking a challenging role in a product-based technology company.

EDUCATION

B.Tech in Information Technology

- Kongu Engineering College, Perundurai
- CGPA: 9.04
- Expected Graduation: 2027

Higher Secondary Education

- Vivekananda Vidyalaya Matric Higher Secondary School
- 12th Grade: 92.7%
- 11th Grade: 90.5%

TECHNICAL SKILLS

- Languages: Python, Java, C++, C, JavaScript, GO
- Frontend: HTML5, CSS3, Bootstrap, JavaScript, React
- Backend: PHP, MySQL, Database Architecture
- Cloud: AWS EC2, S3, Lambda, Twilio API
- Data Analysis: Power BI, Excel, Data Visualization
- Security: AES Encryption, Steganography
- Tools: Git, GitHub, VS Code, Xampp

CERTIFICATION

- AWS Cloud Practitioner Global Certification (2024)

PROJECT EXPERIENCE

AI-Powered Hospital Management System

- Created a responsive hospital portal using PHP, MySQL, and Bootstrap, cutting appointment scheduling time by 40%
- Engineered AI chatbot interface that automated 75% of patient inquiries
- Implemented database structure that boosted data retrieval speed by 30%
- Built mobile-responsive UI achieving 99% cross-browser compatibility across devices

Personal Finance Management Dashboard

- Developed Power BI dashboard visualizing spending patterns, helping users reduce expenses by 25%
- Constructed 12 interactive visualization components simplifying complex financial information
- Established predictive analytics model with 85% accuracy for forecasting expenses
- Enhanced dashboard performance, cutting load time by 45%

License Plate Recognition System

- Built computer vision application using Python and OpenCV achieving 92% recognition accuracy
- Crafted image processing algorithm boosting plate detection in low-light conditions by 60%
- Integrated TensorFlow models decreasing false positives by 35% compared to baseline
- Formulated efficient data pipeline processing 15 frames per second in real-time

Caesar Cipher Encrypter and Decrypter

- Architected multi-layer security system strengthening data protection with 256-bit Advanced Encryption Standard (AES)
- Created a steganography module hiding 2MB of data within standard image files
- Produced user interface streamlining encryption processes, cutting operation time by 50%
- Delivered secure file transfer protocol with zero data leakage during testing

PROFESSIONAL EXPERIENCE

Full-Stack Development Intern Brainery Spot Technology | 10 days

- Collaborated on a web application development project serving 500+ daily users
- Executed responsive design elements boosting mobile user experience by 40%
- Contributed to database optimization reducing query response time by 25%

Software Development Intern Interpe | 1 month

- Contributed to production codebase, successfully delivering 3 new features
- Participated in 8 agile sprints, completing all assigned tasks on schedule
- Refined database queries elevating application performance by 20%

PUBLISHED BOOK CHAPTERS

- "Smart Hospital – Emerging Technology" (2023) - Cited by 3 research papers
- "Scalability Challenges in AGI Development" (2024) - Featured in international publication

PAPERS AND PROJECT PRESENTATION

Papers Presented:

- AI in Agriculture – Coimbatore Institute of Technology , 2023
- AI in Agriculture – Sri Ramakrishna College of Technology, 2024
- Quantum Computing – Hindustan Institute of Technology, 2024

Project Presentations:

- Caesar Cipher Encryption and Decryption , Sri Krishna College of Engineering and Technology.
- Hackathon conducted by Coimbatore Institute of Technology for the project "MediBot – Smart AI Assistance in Healthcare".
- KPR Hackathon for the project "MediBot – Smart AI Assistance in Healthcare."

AREA OF INTEREST

- Technical Areas of Interest: Database Management, AI & Cloud Computing

ACHIEVEMENTS AND AWARDS

- **Best Student Award** – Department of IT (2023–2024) - Recognized from 120 students
- **Event Ambassador** – Technical Symposium, Coimbatore Institute of Technology.
- Selected in the **Top 5% Merit Scholarship** (2023-2024, 2024-2025) – Awarded by KVIT Trust, Kongu Engineering College, based on CGPA.
- 1st Prize – Paper Presentation at Coimbatore Institute of Technology on the topic "**AI in Agriculture.**"
- 2nd Place – Project Presented at Sri Krishna College of Engineering and Technology for the project "**Image-Embedded -Caesar cipher Encryptor**".
- 3rd Place – Hackathon conducted by Coimbatore Institute of Technology for my project "**Medibot-Smart AI Assistance in Healthcare**".
- Top 8 Finalist – KPR Hackathon.

LEADERSHIP

- **Newsletter Team Contributor** - Published 5+ newsletters, widely appreciated.
- Association Member - IT Department - Coordinated multiple technical events.
- **Student Coordinator** for Workshop - Led "Selenium" hands-on training.
- **Technical Symposium Ambassador** - Managed and executed national-level event Mechnatron in Coimbatore Institute of Technology [CIT].

LANGUAGES KNOWN

- English (Professional)
- Tamil (Native)
- Hindi (Professional) - Certified in written and spoken proficiency

SOFT SKILLS

- Problem-solving and analytical reasoning
- Team leadership and collaboration
- Technical documentation and specification
- Public speaking and presentation