PREM M

Full-Stack Developer (MERN & Python) — Machine Learning Engineer

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Summary — Final-year Computer Science student with experience in Full-Stack Development (MERN & Python) and ML projects. Passionate about creating impactful solutions and contributing to innovative teams.

Education

- **SNS College of Engineering** — **2022-2026**
  B.E Computer Science and Technology — *CGPA: 8.16*
- **Annai Violet Matric Higher Secondary School** — **2021-2022**
  HSC
- **Brilliant Matric Higher Secondary School** — **2019-2020**
  SSLC

Work Experience

- **Full Stack Python Developer Intern — Code Infinite Technology, Coimbatore** — *Jun 2025*
  Gained hands-on experience in Python, Django, SQL, HTML, CSS, and JavaScript. Worked on end-to-end web application development.
- **Machine Learning Intern — EMGLITZ Technologies, Coimbatore** — *Dec 2024 – Jan 2025*
  Applied Python and data visualization on real-world datasets; implemented ML algorithms to analyze patterns and improve accuracy.

Skills

- **Programming Languages:** Python, JavaScript, HTML5, CSS3, SQL
- **Web Development:** Node.js, Express.js, React.js, MongoDB, Tailwind CSS, Bootstrap, Flask, Django
- **Machine Learning & AI:** Pandas, NumPy, Matplotlib, Jupyter Notebook, Ollama, LLM, LangChain
- **Tools & Platforms:** Azure, AWS, Git & GitHub, VS Code, PowerBi, Tableau, Postman API, MySQL, Figma
- **Languages:** English (Fluent), Tamil (Native), German (Basic), French (Basic)

Projects

- **AI Based Multi Services Healthcare** — *Jul 2025*
  Developed a healthcare platform offering personalized nutrition guidance, health record management and multi-service integration.
- **Technologies:** Python, Flask, React.js, HTML, CSS, Ollama, Phi, NLP.
- **MedVault** — *Mar 2025*
  Secure medical record management system with authentication & encryption for safe data storage and sharing.
  Technologies: Node.js, Express.js, MongoDB, Mongoose, MongoDB Atlas, React.js, Render, Vercel
- **Early Symptoms Detection System** — *May 2025*
  AI system to detect symptoms from text and image inputs with disease predictions, urgency levels and recommended actions.
  Technologies: Python, Flask, HTML, CSS, Ollama, Phi

Certifications

- Microsoft Azure AI Fundamentals
- AWS Educate Machine Learning Foundations
- NPTEL Cloud Computing (12-Week)
- AWS Educate Introduction to Generative AI
- Full Stack (MERN) Traineeship – Maiyyam

Achievements

- Conducted Figma and Design Thinking Bootcamp – SNS College (2024)
- 2nd Place – Leetcode Boot Camp – SNS College (2025)
- HackerRank – 4 Star in Python
- Completed "200 Days of Code" – LeetCode
- Selected for 2nd Round – Smart India Hackathon (2024)