

JAYAPRAKASH

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PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with hands-on experience in React.js, Express.js, Node.js, and MongoDB. Adept at designing, developing, and optimizing web applications with a focus on performance, scalability, and responsive design. Experienced in working with REST APIs, Agile methodologies, and version control systems. Passionate about leveraging technology to solve complex problems and committed to continuous learning

EDUCATION

Bachelor of Engineering (B.E.): Computer Science & Engineering, Expected in 05/2025

Government College of Engineering - Bodinayakkanur

GPA: 8.35

Higher Secondary Certificate (HSC): 12th Grade, 05/2021

St. Joseph's Matriculation & Higher Secondary School - Manamadurai

Percentage: 92.24%

Secondary School Leaving Certificate (SSLC): 10th Grade, 05/2019

St. Joseph's Matriculation & Higher Secondary School - Manamadurai

Percentage: 90.8%

RESEARCH EXPERIENCE

Machine Learning Intern, 07/2024 to 08/2024

TVS Training and Services – Chennai

- Developed a Customer Segmentation model using Supervised Learning techniques

Web Development Intern, 07/2023 to 08/2023

Exposys Data Labs – Bengaluru

- Designed and built a responsive e-commerce platform using React.js, ExpressJS & MongoDB

PROJECTS

E-commerce Website Development: Implemented a full-stack e-commerce website using **ReactJS**, **ExpressJS**, and **MongoDB**, featuring 100+ dynamic product listings, secure user authentication, and a fully functional shopping cart. Optimized performance and accessibility, achieving a 20% faster load time and seamless responsiveness across all devices. Integrated REST APIs and version control with GitHub for efficient team collaboration.

EMedical Chatbot: Developed and deployed a medical chatbot using **React.js**, **Flask (Python)**, and **Pinecone**, enabling accurate disease prediction and personalized treatment suggestions. Integrated Large Language Models (LLMs) for real-time symptom extraction, multi-turn conversations, and voice-based interaction, improving user engagement by 30%. Implemented real-time healthcare assistance through **LangChain** and **MLP-based** predictions, supporting the resolution of over 100+ health-related queries efficiently

CERTIFICATIONS

Crash Course on Python - Coursera

HTML, CSS, JavaScript - Microsoft Fundamentals

Certification: 1st Place - Bug Battle (2023), 1st Place - Debugging Event (2024), 2nd Place - CSS Art, SQL Hunt, Ninja Coding (2024), Participated in Technical Symposium at Alagappa Chettiar Government College of Engineering

TECHNICAL SKILLS

Programming languages: Python, Javascript, Java, PHP

Frontend: HTML, CSS, ReactJS

Frontend/Backend Frameworks: ExpressJS, Flask, Fastapi

Database: Mysql, MongoDB, Pinecone (Vector database)

Cloud & Deployment: AWS, Docker

Version Control: Git, GitHub

Tools: VS Code, Postman

Methodologies: Agile, CI/CD