

Amirtha Varshini B

Full-Stack Engineer with 4+ years in web development and 1.5 years of hands-on AI/ML projects. Skilled in React.js, Next.js, Python, and Node.js, with growing expertise in Deep Learning, Generative AI, and Reinforcement Learning. Certified in Computational Data Science (IISc TalentSprint).

EXPERIENCE

Senior Product Engineer — Aditya Birla Fashion & Retail Ltd. (via Codingmart Technologies)

Bengaluru | May 2022 – Present

- Promoted from Product Engineer to Senior Product Engineer (May 2024) for contributions in frontend, backend, and system optimization.
- Developed and maintained React.js/Next.js applications, translating Figma/XD designs into responsive UIs and integrating REST APIs.
- Led page revamps, with a focus on performance optimization, reducing page load time by 20%, which resulted in enhanced SEO and improved user engagement.
- Mentored a team of 4 junior developers ensuring adherence to best coding practices and accelerating project delivery timelines by 30%.

KEY PROJECTS :

- **SNN E-Commerce:** Spearheaded a UI/UX redesign, enhancing user navigation and reducing load times by 25%. Focused on mobile-first design and optimized Core Web Vitals.
- **Tasva & Jaypore E-Commerce:** Contributed to critical feature development including secure authentication and cart management, improving the customer experience and conversion rates.
- **Sparrow:** Led the migration from PHP to Next.js, improving site performance and scalability. Designed reusable React components and implemented Redux for state management, achieving a 30% increase in performance.

Product Engineer Trainee — Codingmart Technologies

Coimbatore | Aug 2021 – May 2022

- Completed hands-on training in React.js, Node.js, and Git, contributing to real-world project deployments.
- Collaborated with cross-functional teams in an agile environment to build full-stack applications.
- Worked on the UI design, implemented backend integrations, and

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PROFESSIONAL LINKS

[Github](#) | [LinkedIn](#) | [Portfolio](#)

SKILLS

Programming Languages : Python, C, C++, Java, HTML, CSS, Javascript, Typescript

Frameworks : React Js, Next Js, Node JS, Fast API

AI/ML : Deep Learning, Reinforcement Learning, Generative AI

Libraries : Redux, Redux Toolkit, Llama, Langchain

Databases : MY SQL, MongoDB

Tools : Git, Jupyter Notebook, Google Colab, Visual Studio Code, Amazon S3

Design : Canva, Adobe XD, Figma

Soft Skills : Communication, Team work, Problem solving

LANGUAGES

English, Tamil

supported database management, ensuring the stability of deployed applications.

- Assisted in debugging and resolving issues, significantly improving app performance.

KEY PROJECTS :

Kalanju (Resource & Project Management Tool) : Developed UI screens, integrated the backend, and contributed to bug fixes, ensuring smoother internal operations for resource and project management.

PROJECTS

What If Story Generator — using Gemini

Apr 2025

Developed a "What If" story generator using the Gemini API for RAG and Google grounding with characters stored in a vector database.

Technologies Used : Python, Gemini API, google-generativeai, chromadb

Automated SEO Chatbot — using Groq

Oct 2024 - Nov 2024

Built an SEO chatbot to analyze website content, identify SEO issues, compare websites, and offer recommendations to improve search rankings using Large Language Models (LLMs).

Technologies Used: Python, Groq (LPU), Llama, Langchain, BeautifulSoup, Gradio

APIs Used: SERP API, Data for SEO, Pagespeed API

EDUCATION

Indian Institute of Science in association with TalentSprint, Bangalore, Karnataka — PG Level Advanced Certification Programme in Computational Data Science

Oct 2023 - Nov 2024

Completed with 97% (A+ Grade)

Sri Ramakrishna Engineering College, Coimbatore, Tamil Nadu — Bachelor of Engineering in Computer Science and Engineering

Jul 2018 - May 2022

CGPA 8.8

CERTIFICATIONS

Reinforcement Learning

Certification – Indian Institute of Science, Jul 2025

Deep Learning NPTEL

Certification – NPTEL, Dec 2020

Deep Learning Specialization –

Andrew NG DeepLearning.ai, Coursera, Jul 2020 (Grade: 95%)

Python Specialization – University

of Michigan, Coursera, Jun 2020 (Grade: 98%)