# 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).

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## 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

## PROFESSIONAL LINKS

Github | LinkedIn

## 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%)