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Executive Summary

- Full-stack developer specializing in front-end technologies, building scalable applications using **React.js, Next.js,** and **Tailwind CSS** while ensuring performance and responsiveness.
- Skilled in building **AI**-driven applications, optimizing model performance, and deploying scalable **ML** solutions with **TensorFlow**, **PyTorch**, **OpenCV**, and **spaCy**.
- Skilled in **cloud** architecture, **serverless** computing, and optimizing performance for distributed systems using AWS, GCP, **Firebase**, **Docker**, and **Kubernetes**.

Tools & Technologies

- **Languages**: Python, Java, JavaScript, MySQL, HTML, CSS.
- **Frameworks**: React.js, Next.js, TailWind CSS, Java Spring**.**
- **Tools**: IntelliJ IDEA, Jupyter Notebook, Figma, VS Code, GitHub, Firebase, MySql Workbench, APIs.
- **MISCELLANEOUS**: AWS, GCP, Machine learning, GenAi.

Experience

- **AI internship** *[*Microsoft, SAP & AICTE*]*   *Dec 2024 - Jan 2025*
  - Developed a **high-accuracy Spam SMS Detection** system utilizing AI/ML algorithms, achieving a **95% detection precision**. Enhanced model performance through data preprocessing, feature engineering, and iterative optimization.
- **Machine Learning Intern** *[Trios Technology, Chennai]*   *Dec 2023 - Jan 2024*
  - Developed an AI-driven research paper summarizer, **reducing researchers synthesis time by 40%**, enhancing productivity through faster academic analysis.

Projects

- **SKILLPILOT** *[AI-Driven Personalized Learning Platform for Optimized Study Efficiency]*
  - A dynamic, AI-powered learning platform designed to **enhance study efficiency by up to 50%,** offering **personalized** course pathways and delivering targeted resources for accelerated and optimized learning outcomes.
  - Full Stack Application - Built with Next.js, **React**, **Tailwind CSS**, **Clerk** for authentication, NeonDB with **Drizzle ORM** for data management, and **APIs** like YouTube, Gemini, and Firebase for enhanced functionality. | LINK |

- **ZARA** *[Real time language translator]*
  - Spearheaded the development of ZARA, a Flask-based **multilingual translation app**, enabling real-time speech-to-text, text translation, and text-to-speech using Google APIs, improving accessibility in live conversations.
  - Enhanced cross-language interactions with ZARA, **reducing translation time by 20%**, enabling seamless real-time conversations and improving user experience across diverse languages. | LINK |

- **SUMMARY AI** [Text summarizer] ⚬
  - Developed a web-based Text Summarizer application using **spaCy** for **NLP** processing, **reducing text analysis time by 40%** and improving user efficiency in digesting large volumes of information.
  - Leveraged **Python, Flask**, and modern front-end technologies (HTML, CSS, JavaScript) to create a seamless user experience, enhancing content accessibility and understanding for users.

Education Credentials

Degree	Specialization	Institute	Year	CGPA
B.E.	*Computer Science & Engineering*	RMK Engineering College	2022-2026	8.16

Extracurricular / Certifications

- Completed Google Cloud Platform **(GCP)** Foundations and **AWS** Foundation & Architecture courses, showcasing a solid understanding of cloud services and architecture for developing scalable, efficient solutions.
- Secured **FIRST place** in the 2024 Departmental **Paper Presentation** by presenting an innovative and unique upcoming technology on Mini-Brain.
- Achieved the position of **Second Runner-Up** at the PEC's **24-Hour Hackathon**, Hackelite 2.0.

Languages

• ENGLISH	• HINDI	• TAMIL