RAMYA K

+91 7358265604 — kramya0004@gmail.com — linkedin.com/in/ramya-k-748709253 — github.com/Ramya04062

EDUCATION

Bachelor of Engineering in Computer Science Nov 2022 – Nov 2026
Chennai Institute of Technology, Chennai CGPA: 8.97

EXPERIENCE

Software Development Intern, KY Technologies Private Limited - Chennai, India Dec 2023 – Jan 2024
- Conducted User Acceptance Testing (UAT) to ensure application functionality and high-quality software performance.
- Developed and deployed ERP solutions using .NET, seamlessly integrating with Microsoft Azure for scalability.
- Optimized PostgreSQL database queries, reducing query execution time by 30%, improving system efficiency.

Graphic Design and Development Intern, KaaShiv Infotech - Chennai, India May 2023 – June 2023
- Designed visually appealing social media posts and posters using Canva and Figma, boosting online engagement.
- Gained hands-on experience in frontend and backend web development, implementing dynamic UI components.
- Assisted in developing a responsive company website, improving accessibility and enhancing user experience (UX).

PROJECTS

Blockchain-Based Voting System Dec 2024 – Jan 2025
Technologies: React, TypeScript, Zod, Tailwind CSS, Shadcn/ui, Radix UI, Supabase
- Designed a secure and transparent blockchain-based voting system with cryptographic hash functions ensuring data integrity.
- Developed a robust React-powered frontend with Supabase authentication, seamlessly integrating smart contracts for decentralized, verifiable, and immutable voting processes.
- Optimized for scalability, enabling seamless participation in large-scale elections while maintaining security and usability.

Smart Resume Analyzer Nov 2024 – Dec2024
Technologies: Streamlit, FastAPI, SQLite, NLP, Machine Learning
- Developed a Smart Resume Analyzer for students, leveraging AI to parse resumes, check ATS compatibility, highlight grammatical issues, and ensure proper formatting.
- Implemented a resume comparison module that analyzes job descriptions, identifies missing skill sets, and provides suggestions.
- Integrated features like resume gap analysis, job-role-specific recommendations, and a gamified scoring system to help users optimize their resumes for better job prospects.

Automated Text Summarization and Sentiment Analysis Aug 2024 – Sep 2024
Technologies: JavaScript, Hugging Face Transformers, Flask, Browser Extensions
- Developed an NLP-based tool for automated text summarization and sentiment analysis of social media comments using machine learning models.
- Integrated with a browser extension, offering Summarized and List views for enhanced readability and seamless accessibility.
- Optimized text processing pipelines to improve computational efficiency and deliver faster, more accurate insights.

CERTIFICATIONS & COMPETITIVE PROGRAMMING

- Machine Learning, Data Analytics, UI/UX - Coursera
- Networking and Cybersecurity Essentials - Cisco
- Introduction to IoT, Programming in C++ - NPTEL

LeetCode: 1602 contest rating, 500+ problems solved
CodeChef: 990 peak rating, 100+ problems solved
Codeforces: 752 peak rating, 1002 global ranking.

TECHNICAL SKILLS

Languages: C++, Python, Java, JavaScript, TypeScript
Databases: PostgreSQL, MySQL, SQLite, MongoDB, Firebase
Design: Figma, Framer, Wireframing, Prototyping
Frontend Frameworks: React, Next.js, Vue.js, Angular, Bootstrap, Tailwind CSS, Tkinter, Streamlit
Backend Frameworks: Node.js, Django, Express.js, Flask, FastAPI
Application Frameworks: React Native, Flutter
Cloud/DevOps: Microsoft Azure, Docker, Kubernetes
Data Science: R, Statistics, PyTorch, Spark, PowerBI, Tableau, Libraries
Adaptness: Machine Learning, Natural Language Processing, Blockchain Technology, Version Control, Software Testing, API, Project Management

ACHIEVEMENTS

- SWIFT-A-THON, Sri Sairam College of Engineering : Secured first position in a college-level hackathon by developing an impactful solution within a limited timeframe.
- THINK-UP-IDEATHON, VIT Chennai : Developed user-centric UI/UX prototypes using Figma within a 24-hour timeframe.
- DAKSH, Sastra University : Participated in a competitive hackathon, developing solutions to enhance the agriculture sector.

VOLUNTEERING

- Committee member - Actively contributed as a sponsorship committee member for Takshashila, a cultural event, by coordinating with potential sponsors.