

HEMANTH JAYARAM

+91 9986500900 hemanthjayaram5566@gmail.com
linkedin.com/in/hemanth-jayaram github.com/hemanth-jayaram

EDUCATION

Ramaiah Institute of Technology

Bachelor of Engineering in Artificial Intelligence and Machine Learning

Dec 2023 – Present

Bengaluru, India

MM Polytechnic

Diploma in Electrical and Electronics — CGPA: 8.32

Jun 2020 – Aug 2023

Belagavi, India

EXPERIENCE

BOCK Health

Aug 2025 – Present

AI & ML Intern – Healthcare AI Systems

Bengaluru, India

- Designed and launched ultra-efficient scraping pipelines, achieving **148+ cloud uploads/second** and cutting processing time by **70%**, dramatically accelerating the creation of LLM-ready datasets..
- I built intelligent pipelines to identify and filter relevant text and images with **80–90% accuracy**, ensuring only high-quality data powers our AI models.

PROJECTS

Universal Article Scraper | Python, Scrapy, BeautifulSoup, Trafilatura, Hugging Face, AWS EC2, Docker

Aug 2025

- Engineered a high-performance scraping system, reducing data collection time by **70%** and producing LLM-ready structured datasets.
- Enhanced data quality with multi-fallback parsing and AI-driven summarization, deployed as a cloud-native pipeline on **AWS EC2** with Docker, achieving **10x throughput**.
- **GitHub:** [universal-article-scraper](#)

Article Image Scraper Pipeline | Python, Trafilatura, Newspaper3k, BeautifulSoup, PIL, Docker

Sep 2025

- Developed a **production-grade pipeline** extracting the most relevant article images with **90–95% accuracy**, fully ready for AI integration.
- Implemented a **multi-fallback chain** with ad/logo filtering, robust error handling, retry logic, and standardized JPG outputs for clean, high-value datasets.
- **GitHub:** [article-image-scraper](#)

Job Matching and Recommendation System | Python, Pandas, Scikit-learn, NLP, TF-IDF, CLI, Flask

Jun 2025

- Built an **AI-powered engine** matching resumes with job descriptions using TF-IDF embeddings & Jaccard similarity, enabling highly accurate job-resume matching.
- Designed **scalable pipelines** for batch parsing, embeddings, top-N ranking, and added **skill gap analysis** with auto-generated visual reports, deployed via CLI and Flask.
- **GitHub:** [job-matching](#)

TECHNICAL SKILLS

- **Languages:** Python, SQL, C, Java, HTML/CSS, MongoDB
- **Frameworks & Libraries:** PyTorch, Hugging Face, Scikit-learn, Flask, Pandas, NumPy, OpenCV, Matplotlib, NLTK
- **Cloud, Tools & Technologies:** AWS (EC2, S3), Docker, Git/GitHub, Kubernetes, Power BI

LICENSES & CERTIFICATIONS

- **Advanced Program in Cyber Security (APCS)** — DV Analytics, Credential ID: 202507DVA2005
Gained expertise in Network/OS Security, Web App Security, Ethical Hacking, Cryptography, Malware Analysis with tools like Kali Linux, Wireshark, Nmap, Burp Suite, Metasploit, Nessus.
[View Credential](#)
- **UiPath Automation Developer Associate** — UiPath Academy, Credential ID: 139228869
Certified in designing, debugging, and deploying RPA workflows using UiPath Studio.
[View Credential](#)