

Veeresh Koliwad

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SUMMARY

Software Engineer with 3+ years of experience, currently building [Elevv](#), an AI-powered career intelligence platform using a sophisticated multi-agent architecture. Previously led ML-driven automation and built microservices that cut order processing time by 90%. Passionate about system design, performance tuning, and real-world ML applications.

EDUCATION

Arizona State University <i>Master's in Computer Science</i>	Tempe, AZ Jan. 2024 – Dec. 2025
RV College of Engineering <i>Bachelor's in Computer Science</i>	Bangalore, India Aug. 2017 – May 2021

EXPERIENCE

Associate Software Developer <i>SAP LABS</i>	Jul. 2021 – Dec. 2023 Bangalore, India
<ul style="list-style-type: none">Built a purchase order microservice for SAP ERP to automate manual workflows, reducing processing time by 90% for 5K+ monthly orders.Migrated legacy applications to SAP Cloud, cutting infrastructure costs by 20% and improving scalability.Optimized API response time by 30% using Redis caching, improving overall user engagement by 20%.Led development of a bug prediction tool with a 4-member team, reducing support tickets by 25%.	
Research Assistant <i>Arizona State University</i>	Jan. 2025 – Present Tempe, AZ
<ul style="list-style-type: none">Evaluated MiniLLM on benchmark datasets to explore trade-offs in LLM compression.Reduced inference latency by 45% using LayerDrop and pruning techniques, making compressed LLMs more practical for deployment.	
Software Development Intern <i>SAP LABS</i>	Feb. 2021 – Jul. 2021 Bangalore, India
<ul style="list-style-type: none">Developed a Jira workflow gadget using JavaScript and HTML, used by 10+ teams to simplify ticket tracking.Built and deployed full-stack features using React and MongoDB on AWS, for SAP's Bydesign module.	

PROJECTS

Elevv, AI Resume Builder <i>Python, FastAPI, Next.js, AWS, LLMs</i>	Jun. 2025 – Present
<ul style="list-style-type: none">Currently engineering a full-stack, multi-agent AI system to provide deep analysis of resumes against job descriptions, featuring a secure, decoupled microservices architecture.Implementing a sophisticated orchestration layer to manage a series of specialized AI agents that perform tasks from entity extraction to intelligent resume enhancement.	
Football Analysis System <i>Python, YOLOv8, OpenCV, KMeans, Optical Flow</i>	Jun. 2024 – Aug. 2024
<ul style="list-style-type: none">Built a real-time player/ball detection system using YOLOv8, achieving 95% accuracy on Bundesliga datasets.Implemented KMeans clustering for team identification and optical flow for tracking player movements.	
RAG Chatbot <i>LangChain, Hugging Face, ChromaDB, Vector Search</i>	Jan. 2025
<ul style="list-style-type: none">Developed a context-aware chatbot using Retrieval-Augmented Generation (RAG) to integrate real-time data with LLMs.Optimized response accuracy by implementing vector search and data chunking in ChromaDB.	

TECHNICAL SKILLS

Languages: Python, C/C++, Java (Intermediate), SQL, JavaScript, HTML/CSS
Machine Learning: NLP, Computer Vision, LLMs, Recommendation Systems
Tools: Docker, Kubernetes, React, Kafka, Elastic Search, Redis, Git
Cloud & Databases: AWS, SAP Cloud Platform, PostgreSQL, MongoDB
Methodologies: REST APIs, Microservices, Distributed Systems, Agile, CI/CD