# SUMMARY

Kavyashree R

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GenAI Integration with 6+ years of experience in React.js and 3.5 years in Python. Skilled in building scalable applications and agentic workflows using LangGraph and CrewAI. Proficient in RESTful APIs, MySQL, Docker, Kubernetes, and GCP. Experienced in integrating autonomous agents with external systems, leveraging RAG pipelines and vector databases like FAISS and Pinecone. Focused on reusable components and AI-driven automation for enterprise-grade solutions.

# PROJECTS

## Dynamic Pricing in Retail & E-Commerce

 Problem: A retailer wanted to optimize product pricing based on demand fluctuations.

 Solution: Used reinforcement learning and demand forecasting models to adjust pricing in real-time based on customer behavior and competitor pricing.

 Impact: Boosted revenue by 18%, improving market competitiveness. **Predicting Equipment Failures in Manufacturing**

 Problem: A manufacturing company faced unexpected machine breakdowns, leading to downtime and financial losses.

 Solution: Implemented predictive maintenance using sensor data, time-series analysis, and machine learning (Random Forest, XGBoost).

 Impact: Reduced equipment failures by 30%, optimizing production efficiency and lowering maintenance costs.

## Smart Energy Consumption Forecasting

 Problem: An energy provider wanted to predict electricity demand to reduce wastage and optimize grid performance.

 Solution: Built a time-series forecasting model using LSTM and ARIMA, analyzing seasonal usage patterns and climate conditions.

 Impact: Reduced energy wastage by 20%, optimizing grid efficiency and saving costs. **Customer Churn Prediction**

 Problem: A company wanted to reduce customer attrition and improve retention strategies.

 Solution: Developed a machine learning model using Python (Scikit-learn) to predict customer churn based on transaction history and engagement metrics.

 Impact: Identified key churn indicators, leading to a 15% reduction in customer attrition through targeted marketing

efforts.

# EXPERIENCE

**Software Engineer** Utthunga

Communicated and coordinated with the respective departments to collect business requirement.

Jul '21 — Present Bengaluru, India

Experienced in ReactJS, Vue.js, and Python with a focus on scalable front-end apps and ML-powered backend

workflows. Skilled in CI/CD (Git, DevOps), data preprocessing (PCA, feature engineering), and deploying ML models on GCP using Docker and Kubernetes. Integrated agentic frameworks (LangGraph, CrewAI, AutoGen) to build autonomous, GenAI-driven systems and API automation.

## Web Developer

Enrich Technosoft pvt ltd.

Contributed to the completion web projects, meeting deadlines.

Sep '20 — Jul '21 Bengaluru, India

Performed debugging of CSS, HTML, and JavaScript errors, significantly reducing site errors. Analyzing and resolving technical Problems. Involved in Designing and Developing phases of the Application.

## Web Developer

G360 Direct India Pvt Ltd

Assisted in maintaining and managing websites

Jan '20 — Aug '20 Bengaluru, India

Contributed to the completion web projects, meeting deadlines. Played a key role in Wordpress and Shopify website

creations and launches. Implemented CSS, HTML, and JavaScript modifications, enhancing user experience by 20%.

## Software Programmer

Atitara Technologies Private Limited

Assisted in the development and design processes.

Dec '18 — Dec '19 Bengaluru, India

 Contributed to the completion web design projects, meeting strict deadlines. Performed debugging of CSS, HTML, and JavaScript errors, significantly reducing site errors. Resizing and adding a watermark to an image using PHP. Involved in Designing and Coding phases of the Application.

# EDUCATION

**Bachelor in Computer Science**, East West Institute of Technology Aug '12 — Aug '17 Banglore, India

# AWARDS

## Excellence in Innovation

Utthunga Technologies Jun '23

Designed and implemented a real-time tracking system, enabling live monitoring of user activity and system metrics; received formal appreciation for innovation and impact from stakeholders.

# SKILLS

**Programming** Python, FastAPI, ReactJS, Vuejs, Javascript, MySql, GCP, Docker **Agentic** LangGraph, Crewai, RAG, Vector DB

# CERTIFICATIONS

[**Python Fundamentals**](https://2323jgfj/), Learnbay Feb '25

[**Machine Learning**](https://3731zhc/), Learnbay May '25