KARTHIK RAVI

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Location: Linköping, Sweden

PROFESSIONAL SUMMARY

Master's student in Computer Science with hands-on experience in data analysis, data visualization, and machine learning. Seeking an opportunity to leverage analytical skills, statistical knowledge, and software development expertise to drive data-driven decision-making and contribute to impactful, innovative projects.

SKILLS

Languages: Python, R, SQL, C#

Libraries/Tools: Pandas, NumPy, Scikit-learn, Git, SVN, Linux, Postman, Uvicorn, FastAPI

Web & Frameworks: React, Django, HTML/CSS/JavaScript, .NET MVC

Databases: Microsoft SQL Server, MySQL

Other: Data Visualization, Model Evaluation, API Security & Authentication, Local LLM Deployment (Ollama)

WORK EXPERIENCE

Programmer Analyst

Cognizant Technology Solutions, Coimbatore, India | **Oct 2022 – Jun 2024**

- Developed and maintained APIs using .NET for logistics platforms, enhancing system performance by 30%.
- Engineered scalable backend solutions to process 100K+ daily records.
- Utilized SQL Server for large-scale data extraction and reporting to support strategic decisions.
- Collaborated in Agile teams to deliver full-stack features across multiple business domains.

Intern

Cognizant Technology Solutions, Coimbatore, India | **Jan 2022 – Jul 2022**

- Built a Blood Bank Management System using .NET MVC, improving user workflow.
- Practiced Agile development, including team sprints and peer reviews.

Full Stack Web Development Intern

Conevo Technologies Pvt. Ltd., Chennai, India | **Jun 2021 – Nov 2021**

- Created a full-stack PHP-based Tour Booking platform as part of a capstone project.
- Gained end-to-end deployment experience, including frontend/backend integration.

EDUCATION

Computer Science, Master's Programme   2024 - 2026

Linköping University, Sweden.

PROJECTS

NBA Team Performance Predictor with Advanced Metrics (In Progress)

- Developing a predictive model using advanced basketball metrics to forecast team performance.

Secure Local LLM Chatbot API

- Developed a secure REST API using FastAPI to serve a private local Llama3.2 LLM, with API key authentication, secret management (.env), usage limits, and Postman testing.

Local LLM Chatbot

- An AI assistant built with Django and Ollama, powered by LLaMA 3.2. The goal for this project is to replicate ChatGPT-like experience locally — entirely offline and private.

RebootHub – E-commerce Platform for Used IT Products

- Built a full-stack web app for buying and selling second-hand IT equipment, with features like user authentication, product listings, and chat.

Heart Disease Prediction using Machine Learning

- Implemented a classification model to predict the likelihood of heart disease using health metrics and ML algorithms.

Image Classification using Machine Learning

- Built a SVN based image classifier to categorize images into predefined classes with high accuracy.

Tourism: Full Stack Tourism Booking Website

- Designed and developed a full-stack web application for booking and managing tour packages.