



ANILCHOUDARY RUGARAMJI

SOFTWARE DEVELOPMENT ENGINEER

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🌐 [Anilchoudary Rugaramji](#)

👥 [References](#)

PROFILE

Software Development Engineer with over 3.5 years of experience in full-stack development, contributing to the design and implementation of key features in web applications. Currently focused on developing intelligent chatbot solutions using Generative AI to enhance user interactions and automate workflows. Strong team player with a high drive to learn and grow, experienced in Agile environments and effective in cross-functional collaboration.

WORK EXPERIENCE

d.velop | Software Development Engineer | 10/2023 - Present | Gescher, Germany

Feature Development for SAP - DMS Adapter Product

- Designed, developed, and tested robust RESTful APIs, enabling seamless integration between SAP ERP systems and d.velop documents.
- Built and maintained dynamic, reusable Angular components to deliver an intuitive and responsive user interface.
- Implemented comprehensive unit, integration, and API tests to ensure high code quality and reduce production defects.
- Provided ongoing product support by resolving tickets, troubleshooting issues, and collaborating closely with QA and support teams to maintain product reliability.
- Contributed to Agile processes, using Git and collaborating with DevOps to implement CI/CD for improved software delivery.
- **Tech Stack:** GitLab, Go, Angular, TypeScript, MongoDB

AI-Powered Product Assistant Chatbot

- Spearheading the design and development of a production-grade AI chatbot to assist users with product configurations, release updates, and contextual documentation support.
- Built a full Retrieval-Augmented Generation (RAG) pipeline using custom chunking, embeddings, a vector database (OpenSearch), prompt engineering, and Large Language Models to deliver precise, context-aware answers.
- Integrated the chatbot seamlessly into existing workflows, collaborating with engineering, QA, and UX teams to enhance user adoption and satisfaction.
- **Tech Stack:** GitLab, Python, FastAPI, VectorDB, RAG, LLM, LangGraph, OpenAI Embeddings



Software Developer | 12/2022 - 09/2023 | Verden, Germany

- Developed a Python and Django-based web application for bridge load calculations, reducing manual effort by 60% and improving load estimation accuracy.
- Designed responsive UI templates using HTML, CSS, Bootstrap, and jQuery to ensure an intuitive user experience.
- Deployed and optimized the application on on-premises servers, enhancing performance and reliability.
- **Tech Stack:** GitHub, Python, Django, HTML, CSS, Bootstrap, JavaScript, IONOS Cloud



Junior Software Developer | 05/2022 - 10/2022 | Tumakuru, India

- Trained in Python and Django development, gaining exposure to Docker for containerization and Kubernetes for deployment and scaling.
- Worked with Terraform to automate AWS cloud infrastructure and assisted in CI/CD pipeline management using Git for version control.
- **Tech Stack:** Git, Python, Docker, Kubernetes, Terraform, AWS

- Preprocessed multiple psychological datasets, handling missing values, inconsistencies, and noise to ensure reliable model inputs.
- Conducted exploratory data analysis, including seasonality decomposition, correlation analysis, and dimensionality reduction using PCA and t-SNE, to identify key drivers and reduce feature redundancy.
- Developed and benchmarked a range of forecasting models—including statistical approaches (ARIMA, SARIMA, SARIMAX, FB Prophet) and machine learning models (XGBoost, LSTM)—achieving a significant accuracy increase from 65% to 77% through feature integration and hyperparameter tuning.
- **Tech Stack:** Python (Pandas, NumPy, Scikit-learn, Statsmodels, PyTorch), FB Prophet, XGBoost, PCA, t-SNE, Matplotlib, Seaborn, MySQL, LSTM



| Territory Executive

| 06/2016 - 06/2017

| Bengaluru, India

- Analyzed vehicle service and sales data using SQL, Excel, and Python (Pandas, NumPy) to identify patterns and support decision-making in regional service operations.
- Built Tableau dashboards to visualize key performance metrics like service inflow and customer satisfaction, improving management reporting and trend tracking.
- Collaborated with dealerships and customer care to implement feedback-driven process improvements, increasing the Customer Satisfaction Index from 8.5 to 9.2.
- **Tech Stack:** SQL, Excel, Tableau, Python (Pandas, NumPy, Matplotlib)

EDUCATION

Master in Computational
Science and Engineering (2.0)

| 04/2018 - 11/2021

| University of Rostock

| Rostock, Germany

Bachelor in Mechanical
Engineering (1.5)

| 09/2012 - 05/2016

| Siddaganga Institute of
Technology

| Tumakuru, India

PROFESSIONAL SKILLS

Programming Languages: Go, Python, TypeScript, SQL

Tools and Frameworks: Gin, Angular, Django, FastAPI, NumPy, Pandas, Matplotlib, Scikit-Learn, LangChain, Crew AI, LangGraph, HuggingFace, RAGs, VectorDB, PyTorch, TensorFlow, Keras

Cloud and DevOps: AWS, GitLab, Docker, Kubernetes, CI/CD

Functional Skills: Scrum-Agile methodology, MIRO, JIRA, Confluence, Linux

LANGUAGES

- English — Proficient
- German — Proficient
- Kannada — Native
- Hindi — Native

PROJECTS

- Smart Archive - AI-driven document management system with automated semantic content sorting, manual metadata tagging, and advanced natural language search featuring summarization and Q&A capabilities.
- Developing a personalized diet-based food recommendation system using LangGraph, RAG, and vector databases to suggest nearby restaurants tailored to user preferences.

CERTIFICATIONS

- Certified Data Scientist (Skillovilla)
- Foundations of Project Management (Coursera)
- See more certifications [\[here\]](#).