Karthik Kannan Poothara

+49 1575131748 | karthikkan01@gmail.com | karthikkan01.com Thuringia, Germany | linkedin.com/in/karthikkan

SUMMARY

Aspiring data scientist with hands-on experience in data analytics, web development, and machine learning. Adept in Python, SQL, and data visualization, with a strong foundation in statistical analysis and a passion for deriving insights from data to support business decisions.

EDUCATION AND QUALIFICATIONS

Masters of Research of CSE | Technische Universität Ilmenau, Germany

- ◆ Expected Graduation: March 2027
- ◆ Relevant Coursework: Advanced Computer Graphics, Algorithms, Cloud Computing, Software Safety, Advanced Mobile Computer Networks

Bachelor of Technology in CSE | APJ Abdul Kalam Technological University, India

- **♦** First Class Honors
- ◆ Relevant Coursework: Discrete Mathematical Structures, Vector Calculus And Differential Equations, Data Structures, Algorithms, Database Management, Object Oriented Programming

Machine Learning with Python | Coursera, IBM

May 2025

◆ Focused on applying supervised and unsupervised learning algorithms, feature engineering, and model evaluation techniques using Python libraries such as scikit-learn and pandas.

Data Analysis with Python | Coursera, IBM

Sep 2023

◆ Covered data wrangling, visualization (Matplotlib, Seaborn), and statistical analysis with Pandas & NumPv.

Databases and SQL for Data Science with Python | Coursera, IBM

Sep 2023

◆ Focused on SQL queries, database design, and integrating Python with SQL tools like SQLite and IBM_DB.

EXPERIENCE

CAFU | United Arab Emirates

Mar 2024 - April 2025

Sales Analyst

- Developed and optimized reporting frameworks in collaboration with Acquisition and Retention teams to define key KPIs, support data-driven decisions, and enhance sales performance visibility.
- ♦ Improved slot allocation strategies by 7% for B2B and B2C operations by analyzing performance data, resulting in more efficient resource utilization and better service delivery.

Operations Associate- Supply & Performance

- Analyzed operational data on asset performance and issue trends using spreadsheets; delivered monthly reports that cut recurring maintenance issues by 4% and drove data-informed decisions.
- ◆ Led intern onboarding and training for two cohorts, ensuring smooth integration into team workflows and enhancing their understanding of company operations and tools.

Freelance Web Developer

2021 - Present

- ◆ Designed and delivered 6+ custom, SEO-optimized websites for clients, including international projects from Vietnam, the UAE, and the U.S.
- ◆ Specialized in building responsive sites using WordPress and Elementor, with additional experience in custom front-end development using HTML, CSS, and JavaScript.

PROJECTS

Loan Eligibility Prediction | Machine Learning

- ◆ Built a Loan Eligibility Predictor using Python, SQL, and Naive Bayes Theorem on a pre-existing dataset to classify applicant eligibility.
- Python packages used: Pandas, Numpy, Matplotlib, SciKit Learn

American Sign Language Translator

- ♦ Built a real-time ASL-to-English translation model using TensorFlow and OpenCV, deployed via a mobile interface to support accessibility.
- ◆ Compiled and cleaned a multi-source image dataset, applying Python tools (NumPy, Pandas, Matplotlib) for training and performance evaluation.

SKILLS

- ◆ **Tech Stack:** Python, SQL, C, HTML, CSS, JavaScript
- ♦ Frameworks/Libraries: Pandas, NumPy, TensorFlow, OpenCV, Matplotlib, Scikit-Learn
- ◆ **Tools:**Microsoft Power BI, Microsoft Excel, WordPress, Elementor, WooCommerce, Figma, Canva, Adobe Photoshop
- ◆ Languages: English (Fluent), German (Basic)
- ◆ Leadership: Held key roles including Content Lead at Google Developer Student Club (CCE), Secretary of the IEEE Computer Society, and Creative Lead at Tinker Hub (CCE), contributing to technical outreach, event organization, and community engagement.
- ◆ **Presentation:** Delivered project pitches to large audiences, winning idea-pitching competitions at top institutions including FISAT and CET.
- ♦ **Mentoring:** Mentored 400+ students in web development and trained over 600 in design tools such as Adobe Photoshop, Figma, and Canva across colleges including CUSAT and SIAS.