

Gursewak Singh

Department of Computer and Data Sciences, Gisma University of Applied Sciences
Germany

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PROFILE

Motivated and highly analytical Computer Science student at Gisma University of Applied Sciences, specializing in Data Science, Machine Learning, and Web Development. Possess strong programming skills in Python, Java, C++, and web technologies. Experienced in designing, developing, and deploying software projects, with a keen interest in applying data-driven solutions to real-world problems. Proactive, detail-oriented, and eager to contribute to innovative software development projects.

EDUCATION

- **Gisma University of Applied Sciences, Germany** 2024 – Present
M.Sc. in Computer Science, Department of Computer and Data Sciences
Relevant coursework: Data Structures and Algorithms, Database Systems, Machine Learning, Software Engineering, Web Development
 - Matriculation – 73%
 - Intermediate – 78%
 - Completed Computer Course

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript, SQL
- **Web Development:** HTML5, CSS3, JavaScript, Bootstrap, Git, GitHub Pages
- **Data Science & Machine Learning:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow basics
- **Tools and Software:** LaTeX, VS Code, Jupyter Notebook, Linux, Docker basics
- **Version Control:** Git, GitHub, GitHub Actions

PROJECTS

- **Personal Portfolio Website** – Developed a professional portfolio using HTML, CSS, JavaScript, and GitHub Pages. Showcases projects, skills, and CV. Integrated responsive design for desktop and mobile.
- **Data Analysis of E-commerce Dataset** – Collected and analyzed a dataset of 10,000 transactions. Performed data cleaning, visualization, and derived insights on customer behavior using Python and Pandas.
- **Predictive Machine Learning Model** – Built a regression model to predict housing prices using Scikit-learn. Applied feature engineering, trained multiple models, and evaluated using RMSE and R^2 score.
- **Inventory Management System** – Designed a Java-based console application to manage inventory transactions, track stock levels, and generate reports.
- **Simple Web Application** – Created a responsive CRUD web application using HTML, CSS, JavaScript, and Firebase for storing user data.

CERTIFICATIONS

- Python Programming Certificate – Coursera
- Introduction to Machine Learning – Udemy
- Web Development Bootcamp – freeCodeCamp

ACHIEVEMENTS

- Awarded 'Best Mini Project' in Data Analysis at university coding competition
- Ranked in top 10% of students in Data Structures and Algorithms course
- Participated in Hackathon 2024 and developed a real-time web application within 24 hours

INTERESTS

Web Development, Machine Learning, Open Source Contributions, Data Analysis, Competitive Programming

REFERENCES

Available upon request