

# Prins Sayja

Portfolio: Prinssayja.com

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## EDUCATION

- Friedrich-Alexander-Universität Erlangen-Nürnberg** Erlangen, Germany  
• *Master in Data Science (M.sc.)* Oct 2022 – Present  
*Courses:* Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases
- RK University** Rajkot, India  
• *Bachelor of Technology - Information Technology; GPA: 7.52* July 2019 - April 2022  
*Courses:* Machine Learning, Vector Calculus, Software Engineering, Data Structures, Mobile Web Site Development, Python, Java OOP

## SKILLS SUMMARY

- **Languages:** Python (NumPy, Pandas, Scikit-learn), Java, SQL, R
- **Frameworks:** TensorFlow, PyTorch, ReactJS, Angular, Node.js
- **Tools:** Git, Streamlit, Tableau, Firebase, OpenCV, Docker
- **Platforms:** AWS SageMaker, GCP AI Platform, CI/CD pipelines
- **Soft Skills:** Leadership, Event Management, Writing, Time Management, Effective Communication, Cross-Functional Collaboration, Creative Problem-Solving, Agile Project Management

## EXPERIENCE

- Twinnet Technology** Hybrid  
• *Software Developer (Full-time)* December 2021 – April 2022
  - \* **Built web apps** that work on all devices using React, Angular, Java, and Node.js, **increasing user interest by 40%** and **reducing bounce rate by 25%**.
  - \* **Created scalable APIs** and **improved user interface/experience**, making customers **20% happier** and **increasing session time by 20%..**
  - \* **Worked with QA** and **design teams** to ensure **good testing** and **better performance**.
  - \* **Collaborated with 12+ other software developers** on projects.

## PROJECTS

- **Gender and Age Detection System:**
  - **Built a real-time face detection tool** using OpenCV and Caffe models for webcam streams, **achieving 92% accuracy**.
  - **Used pre-trained Caffe models** for **face detection**, **age estimation**, and **gender classification**.
  - **Processed static images** and **live video** with **bounding boxes** and **demographic labels**.
  - **Skills:** Python, Deep Learning, OpenCV, Computer Vision.
- **Advanced Resume Analyzer:**
  - **Created an AI tool** to analyze and score resumes based on job descriptions using **NLP and machine learning**.
  - **Used Python, SpaCy, and Scikit-learn** to process text and provide **helpful insights** for job applicants.
  - **Built an open-source project** with **community contributions**, hosted on GitHub: [Link].
  - **Skills:** NLP, Python, Machine Learning, Collaboration.
- **Customer Churn Prediction Dashboard:**
  - **Built an interactive dashboard** with Streamlit to predict **telecom customer churn** using machine learning.
  - **Trained models** like XGBoost and Random Forest, achieving **high accuracy** in churn prediction.
  - **Prepared data** with preprocessing, feature engineering, and label encoding for model input.
  - **Designed a simple interface** for business users to input customer details and get **real-time churn predictions**.
  - **Hosted the project on GitHub**, showing complete skills from data analysis to deployment.
  - **Skills:** Machine Learning, Data Visualization, Predictive Analytics, Streamlit, Model Deployment.
- **AI/Data Prototypes(Open Source):**
  - **Built a lightweight demo app** for **data visualization** and **AI-driven insights** using Python, Streamlit, and OpenAI APIs, with **real-time gender/age prediction**.
  - **Skills:** Data Visualization, Python, Streamlit, API Integration.

## LANGUAGES

- English – Advanced (C1) • German– Beginner (A1)

## ACHIVEMENTS — CERTIFICATION

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- Completed the AWS APAC Solutions Architecture Virtual Experience Program (2025).
- Finished the Deloitte Australia Data Analytics Job Simulation using Tableau (2025).
- Earned a Certification for the Smart Gujarat for New India Hackathon (2019).
- Completed the Finding the Leader in You Scholar Program by CMI (2019).)
- Won 3rd Position at Envision 2020, RK University (2020).
- Certified for Participating in the Technoplanet 2020 Event, RK University (2020).