



POOJA SANGLE

SOFTWARE DEVELOPER

M.Sc in Computer Science, Kaiserslautern, Germany
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Kaiserslautern, Germany

WORK EXPERIENCES:

- **Research Assistant** 07/2024 - Present
FRAUNHOFER IEE, Kassel, Germany
 - Utilized **Python** to extract, clean and process climate data from Earth System Grid Federation (ESGF) and Deutscher Wetterdienst (DWD) for detailed analysis
 - Conducting comparative analysis of ESGF and DWD datasets to identify the best fit for organizational use
- **Research Assistant** 02/2023 - 06/2024
FRAUNHOFER FHR, Wachtberg, Germany
 - Developed a **React** web app for my team to easily register/ login, access and visualize materials data
 - Integrated **React chart.js** library for visual analytics
 - Utilized **Django** for backend development
 - Integrated **PostgreSQL** to store materials data
- **Software Developer** 06/2021 - 10/2022
VERSOR INVESTMENTS, Mumbai
79th Largest Hedge Fund Manager, \$1.3 B+ in total assets under management as of June 28, 2024
 - Developed **ASP.NET** dashboards automating all manual Portfolio Implementation tasks
 - Created **python process** to un-pickle log files from Portfolio Model runs
- **SDE Intern** 01/2021 - 06/2021
VERSOR INVESTMENTS, Mumbai
 - Used **Python** and **SQL** to develop the Position Limits Checker System, enabling the monitoring of internal positions against CFTC limits based on contract periods
 - Automated the system to run daily, generating reports that highlight potential breaches, thereby saving 99% in manual effort and time
 - Prevents penalties by identifying breaches efficiently

EDUCATION:

- **M.Sc in Computer Science** 10/2022 - 10/2024
Technical University of Kaiserslautern
CGPA: **2.3 / 5**
- **B.Tech Computer Science** 06/2017 - 06/2021
Sardar Patel Institute of Technology
CGPA: **8.98 / 10**
- **HSC - Thakur Vidya Mandir** 06/2015 - 05/2017
89.38 %
- **SSC - Yashodham High School** 06/2000 - 05/2015
95.20 %

LANGUAGES:

- **German** - Intermediate, **Goethe B1 certified**
Currently pursuing Goethe German B2 course
- **English, Hindi, Marathi** - Fluent

TECHNICAL SKILLS:

- **Languages:** Python, Java, C#, Javascript, SQL
- **Frameworks:** Django, ASP.NET, Flask
- **Web Tools:** React, Bootstrap, HTML, CSS
- **Database management:** MySQL, PostgreSQL, MongoDB
- **IDEs:** PyCharm, Eclipse, Visual Studio Code, Android Studio, Tableau Toolkit, IntelliJ IDEA, Jupyter Notebook
- **Others:** Git, GitHub, Jira, CI/CD

INTERNSHIPS:

- **Android Developer, Digital MLS** 06/2019 - 07/2019
 - Developed a user-friendly resort booking app with **Android Studio IDE**
 - Desired location and rooms are selected by users
 - Used **DatePickerDialog** for easy date selection
 - Books rooms if available, else prompts users to choose alternative rooms or locations
 - Displays booking confirmation after successful booking
- **Tech Intern, WorkIndia** 04/2019 - 05/2019
 - Implemented complex **SQL queries** in **Django ORM**
 - Integrated **Google sheets API** for updating the query results automatically to the sheets
- **Android Developer, Yamini Pvt. Ltd** 12/2018 - 03/2019
 - Developed a **chatbot** using **dialog flow** and an online buyer-seller app, currently used by users
 - Tells users the details of the shops near them, takes orders, user friendly app

PROJECTS:

- **Budget Tracker WebApp:** 04/2024 - 04/2024
 - Created **React** website to add, delete and view categorized/ uncategorized budgets and expenses
 - User can visualize if they are within-budget or over - budget with the coloured **css** progress bar
 - Utilized **useState**, **useEffect**, **useContext** and **useRef** hooks for completing the project
- **The ToDo WebApp:** 07/2023 - 07/2023
 - Used **Django**, **Django Rest Framework** to create an API, Integrated **MySQL** database to store authorized user and todo list details
 - Implemented dynamic pages to display user-specific Todo item details upon login
 - Ordered details by upcoming due dates to prevent missed deadlines

CERTIFICATES:

- **Data Structures & Problem Solving** 09/2023
- **M001: MongoDB Basics** 06/2023
- **Machine Learning** 09/2022