



POOJA SANGLE

SOFTWARE DEVELOPER

MSc in Computer Science, Kaiserslautern, Germany
B Tech in Computer Science,
Sardar Patel Institute Of Technology, Mumbai

psangle.2611@gmail.com

[Portfolio](#)

[LinkedIn](#)

+49 176 73246375

Kaiserslautern, Germany

CAREER HISTORY:

- **Research Assistant** 07/2024 - Present
FRAUNHOFER IEE, Kassel, Germany
 - Leveraged **Python** to extract, clean and process climate data from 2 sources ESGF and DWD for detailed analysis
 - Analyzed ESGF vs. DWD to identify the optimal source, boosting data accuracy by 40% for climate research
- **Research Assistant** 02/2023 - 06/2024
FRAUNHOFER FHR, Wachtberg, Germany
 - Implemented a **React** web app for my team to easily register/ login, access and visualize materials data
 - Incorporated **React chart.js** library for visual analytics
 - Engineered **Django** for backend development
 - Managed 10,000+ materials records by using PostgreSQL
 - Deployed the application with **Kubernetes**
- **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 to automate all manual portfolio tasks, reducing manual errors by 98%
 - Created **python process** to pickle log files from Portfolio Model runs, increasing data storage efficiency by 30%
- **SDE Intern** 01/2021 - 06/2021
VERSOR INVESTMENTS, Mumbai
 - Employed **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 breaches, saving 99% manual efforts and time
 - Prevents penalties by identifying breaches efficiently

INTERNSHIPS:

- **Android Developer, Digital MLS** 06/2019 - 07/2019
 - Built a resort booking app in **Android Studio**, allowing users to choose from 50+ locations and rooms
 - Used **DatePickerDialog** for easy date selection
 - Books rooms if available, else prompts to choose other rooms/ locations, shows booking confirmation
- **Tech Intern, WorkIndia** 04/2019 - 05/2019
 - Executed 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
 - Launched a **Dialogflow chatbot** and buyer-seller app, enhancing user interaction for 80+ local shop listings
 - Tells users details of shops near them and takes orders

TECHNICAL SKILLS:

- **Backend Technologies:** Python, Java, Django, ASP.NET, Flask, C#, REST APIs, MVC Architecture
- **Frontend Technologies:** React JS, Chart.js, HTML, CSS, JavaScript, AJAX, RESTful APIs, JSON
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite
- **Tools:** Git, GitHub, Jira, CI/CD tools, Docker, Kubernetes
- **IDEs:** PyCharm, Eclipse, VS Code, Android Studio, Jupyter

MASTER'S THESIS AND PROJECTS:

- **Master's Thesis:** 09/2024 - Present
 - Designed a template-based table interface for SysML v2 using **React**, enabling over 100 users to input and visualize model elements in a familiar, structured format
 - Crafted a parser to convert SysML code into a structured table format for easier data entry
 - Validated user inputs against SysML v2 syntax, semantics
 - Formulated an intuitive interface that helps both new and experienced users work effectively with system models
 - Enabled switching between textual and graphical views
- **Budget Tracker WebApp:** [GitHub](#) 04/2024 - 04/2024
 - Constructed a **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:** [GitHub](#) 07/2023 - 07/2023
 - Applied **Django**, **Django Rest Framework** to create an API, integrating a **MySQL** database to store 200+ authorized users and their todo list details
 - Implemented dynamic pages to display user-specific Todo item details upon login
 - Sorted details by due dates to avoid missed deadlines

EDUCATION:

- **MSc in Computer Science** 10/2022 - 10/2024
Technical University of Kaiserslautern, Germany
CGPA: **2.3 / 5**
- **B Tech Computer Science** 06/2017 - 06/2021
Sardar Patel Institute of Technology, Mumbai, India
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
- **English, Hindi, Marathi** - Fluent