

Resume

Personal Details

Name Prithvi Prakashkumar Patel
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Nationality Indian



Qualification

Since 08/2020
Area of Focus **M.E., Electrical Engg. and Embedded Systems**
AI, Computer Vision, Automotive Systems
Hochschule Ravensburg Weingarten
Weingarten, 88250 Deutschland

03/2016 – 08/2020
Area of Focus **B.E., Electrical Engg. and IT**
Automation Technology, Networking
Hochschule Ravensburg Weingarten
Weingarten, 88250 Deutschland

Professional Experience

04/2020 - Now **Master Thesis: Analysis and Evaluation of needs of a new generic and scalable cloud-based OTA update system**

- Design of a new generic and scalable architecture for OTA updates that can be applied to different domains

Soluware GmbH, Ravensburg

02/2020 – 02/2022 **Working Student –Software Engineer/Developer**

- Projects on Xamarin, .NET Framework: WPF, Web API

Soluware GmbH, Ravensburg

11/2018 – 10/2020 **Software Development Team Leader (Python)**

- Software-Architecture design, Mars-Rover On-board system

RWU, Weingarten

Hands-On Projects

09/2021 – 02/2022 **Restaurant Robot (ROS, Python, Docker)**

- Development of robotic algorithm where the robot picks up the dishes from kitchen as soon as event is triggered, navigates to the table where the order originated and keeps the dishes on the table and return to initial position or state. Developed in Python, ROS, and Docker Containers.

03/2021 – 08/2021

Womega E-Commerce Full Stack Web App

- Fullstack E-Commerce WebApp that allows customers to browse clothing, add to cart and pay with credit/debit cards. Also created an admin portal to maintain products, view analytics of the business and perform business activities. Uses C#, .NET Core for backend, HTML, Bulma CSS and VueJs for frontend and local database.

Github: <https://bit.ly/WomegaWebApp>

03/2019 – 05/2019

FPGA Communicator

- FPGACommunicator is a tool that basically communicates with the FPGA via the UART COM port. This tool was developed in JAVA (Swing) and can be used to read and write hexadecimal values from/to the FPGA.

Github: <https://bit.ly/FPGACommunicator>

Technical Skills

Skills

C, C++ with graphics and embedded programming,
JAVA – Android Studio, Swing, Linux command line,
Git and Gitlab for projects, Meld
C# for Xamarin, WPF und Web API .Net Framework, und .Net Core
MVC – MVVM Web Application, C++, Python (ROS), SCRUM,
Cloud architectures, Software architectures, Design Patterns

Software tools

Code::Blocks, Netbeans IDE, Eclipse IDE, Design Suite,
Atom IDE, Microsoft Office: Word, Powerpoint, Excel und Access,
Visual Paradigm UML-Werkzeug, Visual Studio., C#, Android Studio,
Visual Studio Code

Languages

Deutsch

Advanced (Niveau B2)

English

Fluent in Writing/Speaking

Gujarati

Mother Tongue

Hobbies

Part-time Indie Game Developer

Weingarten, 28.06.2022

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