

# Shailendra Paliwal

SOFTWARE ENGINEER

217, C Block, Sector 9, Udaipur, Rajasthan, India

☎ (+91) 82-3397-2369 | ✉ hello@shailendra.me | 🏠 www.shailendra.me | 📺 vcidst | 🌐 shailendrapaliwal

## Summary

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Software Engineer with a project oriented mindset, specializing in Backend Development, Data Science and Machine Vision. I am looking for opportunities to work with fast-paced teams to build world-class products

## Work Experience

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### Niche Tech Solutions Private Limited

Udaipur, India

SOFTWARE ENGINEER

August, 2017 - PRESENT

- Maintenance of WAMP Stack Enterprise Web Applications with an IVR System in a distributed setup
- Built several database access modules for the backend to increase scalability on Microsoft SQL Server
- Developed task automation tools to streamline DevOps processes
- Refactored legacy Web Applications to MVC Architecture with Agile Development Practices

### 9U Media Labs

Mumbai, India

NEW MEDIA ARTS RESEARCH

August, 2016 - July, 2017

- Proposal of an alternate Currency Denomination sequence for a Mathematics Education Boardgame
- Developed Linux Tools for Search, Download, Research from Archive.org API
- Built a productivity focussed Research Application with ability to store, search and sort Tweets from Twitter API
- Research and Simulation of Swarm Robotics and Visible Light Communication with Embedded Development

## Projects

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### Full Stack Developer

Dwarka, India

NICHE TECH SOLUTIONS & TATA CHEMICALS LIMITED

December, 2018 - March, 2019

- Built 3 Web Applications on WAMP Stack while coordinating project details and management with the client

### Data and Outreach Management

Udaipur, India

CAMPAIGNING AND POLITICAL SOLUTIONS

November, 2018 - December, 2018

- Core Team Member for Digital Campaign for State Assembly Elections
- Performed Opinion Polling and Analysis of Political, Voting Situation from Public Data Sources in the constituency

### Machine Vision based LCD Screen Testing

Udaipur, India

NICHE TECH SOLUTIONS & SECURE METERS LIMITED

December, 2017 - July, 2018

- Perform Quality Inspection of LCD Screens to detect Dead Pixels, Backlight Intensity and Alignment using a Camera
- Used OpenCV for Image Processing and Machine Vision and Client-Server architecture for deployment

### Public Weighbridge Management Application & Database Application

Udaipur, India

TULLA WEIGH SYSTEMS

July, 2018

- Desktop Application with C#.NET and SQLite with a Serial Port Utility that removes any hardware specific dependencies
- Database Synchronization between a Flatfile CSV and Data Warehouse with REST API Endpoints

### Embedded Development

Udaipur, India

NICHE TECH SOLUTIONS & ACCURATE SENSING TECHNOLOGIES

January, 2018

- Developed a Python and C API for high speed USB Communication

## Education

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### JECRC (Jaipur Engineering College and Research Center)

Jaipur, India

BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATIONS ENGINEERING

April, 2012 - June, 2016

## Honors

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2015 **Top 5 Hacks - Know Your Member of Parliament**, shailendra.me/knowYourMP

Jaipur Hackathon