

Shailendra Paliwal

Udaipur, Rajasthan, IN
☎ (+91) 82339 72369
✉ hello@shailendra.me
🌐 www.shailendra.me

Experience

- 2017 - Present **Independent Consultant**, NICHE TECH SOLUTIONS PRIVATE LIMITED, Udaipur.
Working on interdisciplinary technologies across multiple industries
Detailed achievements:
- Managing and Maintenance of Interactive Voice Response based Estate Management System at Reliance Greens Township, Jamnagar, Gujarat.
 - Key Technologies, Web, PHP and Telecom.
 - Development of a vision-based Quality Testing System for a leading energy-meter Manufacturer:
 - Key Technologies, Image Processing, OpenCV, .NET Framework
 - Embedded Software Development and Reverse-Engineering of a closed-source development board
 - Key Technologies, C, Python
- Independent Consultant**, TULLA WEIGH SYSTEMS, Udaipur.
Working on IoT based solutions to automate Industrial Weigh Bridges
- 2016 - 2017 **Product Engineer/New Media Arts Researcher**, 9U MEDIA LABS, Mumbai.
As the sole engineer I worked on an entire spectrum of projects which focused on building the lab from ground up. This included but not limited to, setting up a makeshift electronics lab, design & implementation of electronic hardware and software tools exploring creative & experimental technologies for design fiction and visual arts.
- 2012 - 2016 **Designer & Developer**, *Freelance*.
Myriad projects in the domain of Web-Development, Graphic Design, Branding, Data Science, Analytics and Visualization

Education

- 2012–2016 **Jaipur Engineering College and Research Centre, Jaipur**, *Bachelor of Technology*.
Major: Electronics and Communications Engineering

Design & Code

- Skills Rapid Prototyping, Embedded Systems, Version Control, Analytics, Data Wrangling and Visualization, Machine Learning, Layout Design, Front-end Web Development, Science and Math Communication, Technical Writing
- Tools R, Python, PHP, Javascript, Processing, Adobe Creative Suite, Node.js, C/C++, C#, .NET Framework, MATLAB, VHDL, Machine Tools

Projects

- May, 2016 **One Line Drawings Robot**.
A drawing robot that uses no microchips or circuit boards and uses multiple software processes to turn any raster image into sound files. This makes any audio device an on-the-go robot controller. We made this as a team of 4 using our knowledge of image processing, audio formats and signal processing
- December, 2015 **Touchless 3D Tracking Interface**.
A low-cost device that can track position of an object in 3D using three mutually orthogonal planar capacitive sensors. In the 4-member team, I led the development of GUI and processing information from the Arduino
- January, 2015 **Know Your MP**, shailendra.me/knowYourMP.
A choropleth map that visualizes criminal and financial data from Election Affidavits of current member of Parliament using javascript library D3.js. With a teammate, I worked on data-extraction, cleaning, and rendering the interactive visualization

Publications

- Conference Paper Shailendra Paliwal (2015), "Using Exploratory Data Analysis Methods to Analyze Literacy Rates in Indian Districts", Paper presented at the National Conference on Advances in Mathematical Sciences and Applications in Engineering and Technology AMS-AET (2015)
- Blog Shailendra Paliwal's Blog - *shailendra.me* (2015)
- Article The Fuss about God Particle - *UdaipurTimes.com* (2012)
- Blog I Didn't Know That! *techmania-shail.blogspot.com* (2008-2011)

Honors

- January, 2015 **Top 5 Hacks**, Jaipur Hackathon, Project: KnowYourMP.