Shailendra Paliwal

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

Education

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

2002-2012   **Kendriya Vidyalaya No.1, Udaipur**, CBSE.
All India Senior School Certificate Examination
All India Secondary School Examination

Experience

2017 - Present   **Software Engineer**, Niche Tech Solutions Private Limited, Udaipur.
Working on interdisciplinary technologies across multiple industries
Detailed achievements:
- Maintenance of Interactive Voice Response based Estate Management System at Reliance Industries
  - Key Technologies, Web, PHP and Telecom.
- Deployement of Estate Management System for Tata Chemicals Limited
  - Key Skills, Project Management, PHP, MVC Frameworks
- Maintenance and Support of Automated Telephony Systems, IVR for cloud and enterprise clients
  - Key Skills, Automated Telephony, Requirement Writing, Client Relations, Sales
- Development of computer vision based Quality Testing Product
  - Key Technologies, Image Processing, Machine Learning, OpenCV, .NET Framework
- Embedded Software Development and Reverse-Engineering of a closed-source development board
  - Key Technologies, C, Python, USB

Software 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.

Skillset

Skills   Project Management, Communications, Technical Writing, Code Documentation, Public Speaking, UI Prototyping, Typography

Tools   PHP, C/C++, C#, .NET Framework, R, Python, OpenCV, SQL

Projects

November, 2018   **Data and Outreach Manager**, *Freelance*, Campaigning And Political Solution.
Working in Rajasthan State Assembly Elections 2018 with an MLA cadidate. We fomulated outreach and campaign strategies with targetted userbase. My team gathered real time data for sentiment analysis and measuring polling markers of the voters.

October, 2018   **IT Consultation**, *Consultation*, Action Research and Training for Health (ARTH).
ARTH is a health non-profit organization working in rural Rajasthan for more than 20 years. It has been a recipient of McArthur Foundation Award for Creative and Effective Institution in 2011.

July, 2018   **Public Weighbridge Managment Application**, *Software Development*, Tulla Weigh Systems.
A complete public weighbridge solution from billing, record keeping and hardware interaction with serial ports

March, 2018   **Database Application**, *Software Development*, Tulla Weigh Systems.
Database Replication application that synchronizes data between a flat file database and an SQL database

February, 2018   **Vastradan Drop Points Locater**, *Volunteering*, shailendra.me/vastradoot.
Locate nearest drop-location for Vastradan Cloth Donation Drive

2017   **Personal Website**, http://shailendra.me.
Made with Jekyll, a static site generator and hosted on Github Pages. It also works as a blog where I write posts in Markdown and push to the relevant Gihub repository

2017   **Twitter Bots and Command Line Client**, *Unfinished*, 9U Media Labs.
Mapping Twitter Users using questionnaires, text analysis, geolocation data, keyword extraction, etc

May, 2016	**One Line Drawings Robot**, B.Tech Major Project.
	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 motor 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**, B.Tech Minor Project.
	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)
Blog	I Didn't Know That! *techmania-shail.blogspot.com* (2008-2011)

Other Experience

2015	**Research Assistant**, ZETATREK, (remote).
	Worked on a document that traces the historical journey from foundations of mathematics to the Riemann Hypothesis while introducing mathematical concepts for an audience of laypersons.
2014	**Marketing and Development Lead**, JECRC MODEL UNITED NATIONS, JECRC, Jaipur.
	Managed Finances, PR, Identity Design and technical back-end for a three-day conference while working in a 5-member team. Led a team of more than 10 volunteers. Ensured transparency in finances. Learned about standard practices in marketing, PR and identity design.
2013 - 2015	**Lead Designer**, J-MAG, JECRC, Jaipur.
	Responsible for magazine layouts and typesetting. Introduced industry standard tools to the team of 3 designers. Promoted to this position after working as an Associate Editor for a year
2012	**Summer Intern**, UDAIPURTIMES.COM, Udaipur.
	Rated "truly distinctive" for research skills and teamwork. Authored more than 50 news reports in period of employment
2011 - 2012	**Student Editor - English**, VIDYALAYA PATRIKA, Kendriya Vidyalaya No. 1, Udaipur.
	Collected, edited and published English entries in the magazine

Honors

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