

# Shailendra Paliwal

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## Education

- 2012–Present **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

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## Experience

- 2015 **Research Assistant**, ZETATREK.  
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. Skills acquired: Science Writing and Exposition.
- 2014 **Director General**, JECRC MODEL UNITED NATIONS, JECRC, Jaipur.  
Managed Finances, PR, Identity Design and technical back-end for the 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.
- 2012–2013 **Associate Editor**, J-MAG, JECRC, Jaipur.  
Covered academic events in the college campus. Authored multiple news reports, corresponded with dozens of people and publicized magazine.
- June, 2012–July, 2012 **Summer Intern**, UDAIPURTIMES.COM, Udaipur.  
Rated "truly distinctive" for research Skills and Teamwork. Authored more than 50 news reports in a span of 2 months.

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## Computer Skills

- Languages R, Python, VHDL, Javascript, C/C++, MATLAB
- Software Adobe Photoshop, Adobe Illustrator and Adobe InDesign

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## Projects

- December, 2015 **Touchless 3D Tracking Interface**.  
Implemented 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.  
Designed 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
- November, 2013 **Regulated Power Supply**.  
Designed and fabricated a PCB to convert unregulated AC to regulated DC. Responsible for PCB fabrication in team of 4 members

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## 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)
- Article Online Shopping: Now trending in Udaipur - *UdaipurTimes.com* (2012)
- Article The Fuss about God Particle - *UdaipurTimes.com* (2012)
- Blog I Didn't Know That! *techmania-shail.blogspot.com* (2008–2011)

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## Honors

- January, 2015 **Top 5 Hacks**, *Jaipur Hackathon*.  
For KnowYourMP made in 24-hour-hackathon chosen among more than 20 other projects