

Avinash Kr Shudhanshu

Programmer

[Samarth eGov](#), MOE.

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SKILLS

- Web Development and Deployment: Yii2, Node.Js.
- Basic Networking: Managing Switches, Routers and, UTM's
- Robotics: Programming microcontrollers and sensor integration.
- Operating systems: Windows, MacOS, Linux.
- Databases: Sql and NoSql.
- Programming languages: PHP, JavaScript, Python, C.

EXPERIENCE

Programmer, [Samarth eGov](#), MOE, New Delhi

June 2019 - PRESENT

- Project - '[Samarth eGov](#)' , Roles: Design, development and deployment of web application.
- Major Modules: *E-Housing, Legal*, Programme-Student Management, Admission Management, CDU(Central Data Unit), Student LifeCycle, Grievance.
- '[Sakshat](#)' - A Unified learning management system.
- '[CowinActionNetwork](#)' - is an initiative to help underprivileged communities that have been hardest hit due COVID-19.

EDUCATION

M.Sc. Informatics, Institute of Informatics and Communication.

University of Delhi

Academic Achievements

- Network Admin(UDSC), Maintenance of CAN(Campus Area Network) . July 2018-May 2019
- Member of student grievance committee. July 2018-May 2019

B.Sc. Electronics(Phy Sc), Acharya Narendra Dev College.

University of Delhi

Academic Achievements

- Established Robotics and Automation Lab.
- Member of [SPIE](#) (Society of Photo-Electric and Instrumentation Engineer)

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Certifications

- Network Security Expert 2(Associate), *Fortinet*
- Machine Learning, *Stanford Online*
- CompTia Security+, *Cybrary*
- Burp Suite, *Udemy*
- Python Core and Advanced, *Udemy*
- React.JS, *Udemy*

AWARDS and Scholarship

- Awarded with first prize in "*Project Presentation Competition*" in "*7th National Level Science Symposium*" held at Christ College, Rajkot, Gujarat on 23rd February 2014.
- Awarded ELITE (Education in Lively Innovative Training Environment) Fellowship at Acharya Narendra Dev College.
- Awarded Google India Scholarship for "Front end Web Developer" online courses.
- JBT- Merit-Cum-Means Scholarship-2018

Projects

- "SAMARTH eGov"- An Open Source, Open Standard enabled Robust, Secure, Scalable and Evolutionary Process Automation Engine for Universities and Higher Education Institutions. [Details](#)
- '[Sakshat](#)' - A Unified learning management system.
- '[CowinActionNetwork](#)'- is an initiative to help underprivileged communities that have been hardest hit due COVID-19.
- Innovation project funded by MHRD, entitled "*Development of Low Cost Computer Controlled Science Laboratory*". The project was awarded for "*Best Innovation*" and for "*Best Display*" among 250 projects from different colleges during Atardhwani -2015 [-Details](#)
- '*CareTaker Robot*' under e-Yantra, a Robotics project sponsored by MHRD through the National Mission on Education through ICT (NMEICT). [Details](#)
- Wireless Automation of Home Appliances Running on Alternating Current via user Friendly Interfaces

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Publications

- *Error Reduction in Basic Science Laboratory through Sensors and Open Source Technology*, Int. J. of Recent Trends in Engineering & Technology, ISSN 2158-5563 (Online) ISSN 2158-5555 (Print), Vol. 11, Issue 2, June 2014, pp.313-319
- *Development of Open Source Low Cost Wireless Data Acquisition Systems for Science Experiments*, International Journal of Information & Computation Technology. ISSN 0974-2239 Volume 4, Number 12 (2014), pp. 1123-1128 © International Research Publications House <http://www.irphouse.com>
- *Development of Low Cost and User-Friendly Medical Diagnostic Tools*, Journal of Basic and Applied Engineering Research (JBAER). Print ISSN: 23500077; Online 2350-0255; Volume 1, Number 9; October, 2014 pp.80-82. © 2014 Krishi Sanskriti Publications, India
- *Automated Approaches to Advance Undergraduate Research*, Proceedings of national conference on “Striving & Thriving Towards Diffusion of Student-driven Research in Science and Technology for Inspired Learning” ISBN 978-81-7273-958-4, October, 2014 pp.324330; © 2014 Editors
- *Low Cost and User-Friendly Environmental Monitoring System*, Conference proceeding on “National Conference on Recent Trends in Instrumentation and Electronics” ISBN 978-81-930724-0-0, January, 2015 pp.10-14; © Shaheed Rajguru College of Applied Science for Women.

Trainings and internships

- *Full Stack Web Development using Component Based MVC(Yii 2)*, executed during Summer Training, Institute of Informatics and Communication.
- *Data Acquisition using National Instruments LabView*, Executed during summer training at “Acharya Narendra Dev College”
- “*Robotics Boot camp 2014*” organized by the Centre for Science Education and Communication and Cluster Innovation Centre, University of Delhi
- “*National Workshop on Basic Optics, Fibre Optics and Optical Communication*” Organized by Department of Electronics, maharaja Agrasen College, University of Delhi and National Academy of Science, India, Delhi Chapter