

# Avinash Kr Shudhanshu

## Full Stack Developer

+91-9711163013, [avinashsudhanshu\[at\]gmail\[dot\]com](mailto:avinashsudhanshu[at]gmail[dot]com)



## SKILLS

- Full Stack Engineering.
- Programming languages(ordered by proficiency):JavaScript(react, next, node), Python, Go.
- Cloud: AWS(EC2, lambda, cloudwatch, s3, ses, sqs, quicksight.. et.c. )
- Robotics: Programming microcontrollers and sensor integration.
- Operating systems: MacOS, Linux.
- Databases: Sql, NoSql, Redis.

## EXPERIENCE

**Software Engineer, [Zenarate](#), Gurugram, India**

June 2021 - PRESENT

- Project - 'AI Coach for performance enhancement' , Roles: Design, development and deployment of chatbots.

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

June 2019 - May-2021

- 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.

**Software Developer, [Dotnik Studio](#)**

Jan 2019 - May 2019.

## 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

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**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)

## Certifications

- Network Security Expert 2(Associate), *Fortinet*
- Machine Learning, *Stanford Online*
- CompTia Security+, *Cybrary*
- Burp Suite, *Udemy*
- Network Security Expert: *Fortinet*

## AWARDS and Scholarship

- Awarded 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](#)

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- Wireless Automation of Home Appliances Running on Alternating Current via user Friendly Interfaces
- 'AiCoach' chatbots to train sales executives to enhance results.

## 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