

AJAY SINGH



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EDUCATION

Army Institute of Technology (University of Pune) Pune, IN

Bachelor of Engineering (B.E) (06/2016 - 07/2020)

Information Technology

CGPA: **8.97/10**

Relevant Coursework: Data Structures and Algorithms, OOPs, Data Science and ML, Cloud Computing, SDLC

D.P.S JJN, Rajasthan IN (CBSE)

Senior Secondary School Education (04/2014 – 05/2015) : **85.60 %**

PROFESSIONAL EXPERIENCE

[Associate Software Engineer]

[Icertis] Pune, IN (07/2020 – Present)

- Worked in Application Engineering Team under OM-App division and developed new feature/tile, automation and solved PBIs for the Obligation Management App and closely worked in all SDLC sprints.
- Worked on Core ICI Product built using ASP.Net and C# to solve 20+ internal bugs/PBIs assigned and improve the performance of the product.
- Analyze, Develop and Debug Core ICI features using VS-17 and Framework-X for RL features.
- Automated 20+ Test Cases using Selenium to validate features developed and reduced drastic human efforts.
- **Technologies/Tools Exposure:** C#, .NET, Selenium, MS Azure, SQL Server, Elastic Search, Kibana, Framework-X/RL.

ACADEMIC PROJECTS

[Corruption Free Nation]

- Aimed to reduce the Corruption taking place at the grass-root level of Municipalities and Societies in India by including common people in decision making.
- **Technologies Used/Learnt:** HTML5/CSS, JavaScript, Bootstrap, Wit.ai, API.ai, mysql, Julia and Machine Learning for Chat-bot and User-Centeric front-end and back-end design.

[Mitigating Black Hole Attacks in WSN using Node-Resident Expert System]

- ADIOS based Expert system designed in TCL using NS2 for detecting intrusions and Black Hole Attacks in Sensor Networks.
- **Technologies Used/Learnt:** NS2, TCL, Ubuntu

[Transfer Learning from Deep Features on Remote Sensing Data for Poverty Mapping]

- A Machine Learning solution using Transfer Learning for Poverty Mapping using pre-trained VGG-Net on Image-net dataset.
- **Technologies Used/Learnt:** Deep Learning, Python

ADDITIONAL INFORMATION/SKILLS

- **Technical Skills/Tools:** Data Structures and Algorithms, Object Oriented Programming, Elastic Search, NS-2, Selenium, Kibana, SQL, Git, Azure, Windows, Linux
- **Programming Languages:** C, C++, Julia, Python, C#, Go(Basic), Java(Basic), JavaScript(Basic)
- **Online Courses and Certificates:** Programming in C/C++(NPTEL) and Julia, Software Security, Cyber Security, Data Science and Machine Learning on Coursera.
- Loves Problem Solving and solved 200+ problems on **GFG** and **Leetcode**.