Gahan Saraiya
Silicon Firmware Development Engineer

I am Silicon Firmware Development Engineer working at Intel Technology India Pvt Ltd. with excellent skill and understanding in Python, UEFI Firmware, DevOps along with architectural skills. I also like to contribute in open source too and spreading the knowledge (#philanthropist for knowledge!). interested to work in Quantum Computing, Data Analysis, Artificial Intelligence, Soft Computing, Complex Algorithms, Augmented Reality.

Education

Jul 2018 - Jun 2020
M.Tech Computer Science and Engineering, Institute of Technology, Nirma University
PPI: 8.49

Aug 2013 - Apr 2017
B.E. Computer Engineering, GTU
CGPA – 8.08

Jun 2011 - Mar 2013
12th Science, GSHSEB
74.92 %

Jun 2010 - Mar 2011
10th, GSHSEB
81.4 %

Experience

Jun 2020 - Present
BIOS Engineer
Intel Technology India Pvt. Ltd.
Debug and validation Framework Development for edk2 platforms
Managing Software Development Life Cycle for open sourcing project with licensing, legals and IP Planning

Jun 2019 - May 2020
Graduate Technical Intern
Intel Technology India Pvt. Ltd.
BIOS Firmware Development for Client products with the framework EDK2, UEFI Firmware, Involvement with assessing new debugging solutions

Jul 2017 - Apr 2018
Software Developer
Quixom Technology
SaaS-Employee management system (chat, surveys, benchmark, analytics...) and Restful API Development; socket programming in python to receive continuous data from IoT device and display chunks of data meaningfully, web portal for rendering dynamic menu content in Kodi

Feb 2017 - Jun 2017
Intern
Quixom Technology
Django Web Framework, Kodi Rebranding and addon development

2015 - 2016
Freelance
Designer
Designing of banner, memento and certificates

Achievements and Extra Curriculum Activity

2019 3500+ reputation on Stackoverflow

2018 Rank #1 for Python challenges on hackerrank

2018 Rank #112 from over 2 lacs participants in Techgig Code Gladiators 2018 (National Coding Contest)

2018 Pluralsight IQ 248 out of 300 for Python

2017 Google Admin system Administration for Institute

2017 Peer Learning Activity

2016 Zonal Winner in Cyber Security arranged by Braintech 2017

2015 Catch Him If You Can - Ethical hacking workshop by Ankit Fadia (Technical Support and Organization Member)

2014 Technical Event and Placement Coordinator

2014 Establishment of complete network for Department

2014 Winter Training at RTTC, Ahmedabad on Advance Computer Network

Personal Info

Address
Ahmedabad, Gujarat, India

E-mail
gahansaraiya@gmail.com

Date of birth
September 09, 1995

Website
gahan9.github.io

GitHub
github.com/gahan9

Medium
gahan9.medium.com

LinkedIn
linkedin.com/in/gahan-saraiya

Twitter
twitter.com/mark_gahan

Skills

Basic - Blockchain, Docker, Rust

Intermediate - *C, Jenkins, Data Science, Pandas, PyCUDA, Shell Scripting* Ajax, Octave, AWS

Proficient - *Edk2, Python, Django, Selenium, Restful APIs, SQL,* GiT, Linux, LaTeX, Prezi

Languages

English

Hindi

Gujarati

Projects

2019 - present

Multiview Video Summarization

Description: Summarizing video of multiple view angles of egocentric location in to one to generate effective video summary, minimizing overhead to explore multiple cam feed to discover accidents or anomalies.

2018

Turing Architecture

Description: M.Tech semester term project of deep studying latest Nvidia Turing Architecture. The study focuses on the hardware supporting Turing Architecture, scope of architecture hardware advantages and quantitative comparison of hardware devices for technologies like rasterization, raytracing, tensor performance and throughput.

2018

Consummating Research Projects using Agile Manifesto

Description: Utilization of Agile Manifesto for consummating research projects. The primary goal is to see the appropriateness of Scrum for the research projects which is a widely used agile manifesto at present in the software industry. There is a myth among many that software engineering and models are to be applicable only to enterprise or software development industry only on contradict the paper describes that how an agile manifesto can be utilized to consummate research projects. It is observed that the primary reason of not selecting such model by researchers is to not have enough documentation and guidelines which can provide help to carry out research projects.

2015

Surat Smart City proposal using Augmented Reality

Description: The project aimed at showcasing the future Smart City plans for Surat. Augmented Reality combined with Unity Game Engine was used to develop the walkthrough. The most prominent features where the models of various significant buildings and their functionalities. The project was showcased at Vibrant Gujarat 2014.

Area of Interest

- Quantum Computing
- Artificial Intelligence
- Augmented Reality
- Data Science
- Soft Computing

Interests

- Piano
- Chess
- Gaming
- Singing & Music

Publications

2016

A Review on Honeypot : Track the Attack. NCCICT, 2016