Manish Malik

https://m2n.me
manishmalikkvs@gmail.com | +91.9868061004

EDUCATION

Masters in Computer Science
Dec. 2020 | Online
College of Computing
Georgia Institute of Technology
CGPA: 4.0/4.0

B.Tech in Computer Engineering
July 2016 | Delhi, India
Faculty of Engineering
And Technology
Jamia Millia Islamia
GPA: 8.77/10.0

Class 12 | Upper Secondary
2012 | Delhi, India
Aggregate percentage: 87.6/100

Class 10 | Matriculation
2010 | Delhi, India
Aggregate CGPA: 9.0/10.0

LINKS

Github:// **manishmalik**
LinkedIn:// **manishmalikkvs**

COURSEWORK

GRADUATE
Graduate Algorithms
High Performance Computing
Machine Learning for Trading
Machine Learning
Reinforcement Learning
Big Data for Healthcare
Deep Learning

SKILLS

PROGRAMMING
Proficient:
- Java

Intermediate:
- C++ • Python

Familiar:
- JavaScript • Scala • Shell
- LaTeX • SciKit • PyTorch

AWARDS

2017 Adobe India Spot Award

EXPERIENCE

VMWARE INC. Member of Technical Staff
Sep 2018 – Present | Delhi, India
- I am working with R&D team of Cloud Management Business Unit (CMBU) where I am working on vRealize Network Insight product.
- My day to day tasks involves, implementing various features in the product which are used in monitoring and analytics of virtual and physical networks. I also fix bugs and handle customer escalations involved in various part of the product.
- Main tech stack we are using here are, Java, Hadoop Samza for computation grid, Apache HBase for metric time series store, Apache Kafka for streaming, FoundationDB as config datastore and Elastic Search for indexing both config and metric data.

ADOBE SYSTEMS INC. Software Engineer
Jul 2016 – Aug 2018 | Noida, India

- I was working with the data migration team of Adobe Analytics.
- I developed tools and frameworks (mostly in Python, Node.js and Java) to validate and detect the errors in the migrations. I also PoC different technologies or methods which could improve validations of migrations.
- I have developed some tools (mostly in Python and Java) which could be used to improve the quality of the products by improving the code coverage of the product.

MODSECURITY Google Summer of Code | Open Source Developer
May 2016 – Aug 2016
- ModSecurity (which is written in C/C++) is an opensource org. which provides web application firewall. Recently, ModSecurity has been redesigned from the scratch and split into cores and connectors.
- My work was to create a robust connector for ModSecurity in Nodejs, as there aren't many WAFs available for Nodejs.

WISHUP Full Stack Developer Intern
Dec 2015 – April 2016 | Delhi, India
- I was actively involved in the team which was building the real-time chatting dashboard (using sails pubsub support and socket.io).This dashboard handles over +15k active monthly users.
- The back-end was built using modern MVC framework Sails.js which based on Node.js and dashboard built using Angular.js.

RSPAMD Google Summer of Code | Open Source Developer
May 2015 – Aug 2015
- Rspamd (which is written in C) is an opensource org. for spam filtering. It comes up with a web interface which doesn't support encryption at all.
- My work was to encrypt the controlling messages from its web interface.I implemented cryptobox in JavaScript on the top on tweet-nacl.js and have secured it against some common MiTM attacks such as replay attacks.

PUBLICATIONS

[1] M. Ahmad and M. Malik. Design of chaotic neural network based method for cryptographic substitution box. IEEE-Xplore, 2016.

[2] A. Chopra, M. Ahmad, and M. Malik. An enhanced modulo based image encryption. IEEE-Xplore, 2015.