

Shrobon Biswas

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GitHub: <https://github.com/shrobon>
Website: <http://shrobon.com>



Learn | Code | Debug | Deploy



Education

09/2016 - 04/2018

University of Alberta (Edmonton, Canada)

M.Sc in Computing Science
Specialization : Multimedia
GPA: 4.0

08/2012 - 07/2016

West Bengal University of Technology (Kolkata, India)

(B.Tech) Bachelor of Computer Science & Engineering
GPA: 8.82 / 10

Projects

Tweenalyzer : A tweet analyzer ([Web](#))

Area of work: Data Mining / Data Visualization
► Skills: Flask, Google charts, Twitter API

Improving image classification accuracy using Deep-Learning ([View](#))

Area of work: Computer Vision / AI
► Increased classification accuracy to 91.18%
► Skills: Keras(Theano) , Python , OpenCV

Classification of Traditional Chinese Medicine ([View](#))

Area of work: Computer Vision / ML

Safari Rush Solver

Description : An AI to solve any puzzle configuration for the game of Safari Rush Hour
► Uses SMA*algorithm, blocking vehicle heuristic
► Decreased search time by 30% by using efficient data structures.

Ataxx Bot

Description : An AI opponent that plays optimal moves in limited time to win Ataxx
► Uses Alpha-beta pruning with iterative deepening
► Hashtables are used for memoization

Dev-Support ([Preview](#))

Description : A marketplace for developers to showcase their projects and sell their code.
► Skills: Flask, Github API , Stripe API, Materialize

Talkativ -A lightweight chatroom app([View](#))

► Skills: NodeJs and MongoDB, Redis, NGINX
► Supports login using Facebook OAuth2

Technical Skills

- Java (Spring, Hibernate, JUnit), python, C++
- AWS: DynamoDB, SQS, Lambda, Cloudwatch, S3
- NodeJs, HTML, CSS, JS, JQuery, AJAX, Bootstrap
- Android Studio, Heroku ,Scikit-Learn, Keras , MLLib
- Kafka, Hadoop, SPARK, MongoDB, MySQL
- Cassandra, Pandas, HBase, Hive,OpenCV, MATLAB
- Seaborn, Matplotlib, Flask, Git , DLib , D3, Plotly

Previous Internships

Amazon.com(Vancouver, Canada) 06/2017 - 2/2018

Team: Corporate Gift Cards
Position: SDE Intern



Attify Mobile Security Pvt.Ltd (Bangalore, India)

06/2015 - 08/2015

Position: IOT Research Intern



Certifications

Microsoft Certified Professional

License: E873-5473
July 2014



Independent Coursework

Deep Learning (September 2016)

udacity.com



Complete Android Developer Course

udemy.com (December 2016)



Python for Data Science and Machine Learning (December 2016)

udemy.com



Publications

9 July 2016

IoT-MQTT based Energy Efficient Economic Home Automation System (*first author*)
3rd International Conference on Microelectronics, Circuits and Systems, Micro2016.

Authored Courses

Hands on Computer Vision with OpenCV & Python ([Course Website](#))

• Students Enrolled: 351 (as of 21/10/2017)