Shashwat Aggarwal

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LINKS

Medium:// Personal Blog
Github:// imshashwataggarwal
LinkedIn:// shashwataggarwal
Twitter:// @iamShashwatA

SKILLS

LANGUAGES

Fluent:
• Python • C • C++

Familiar:
• C# • Javascript • Java • R
• HTML • CSS • SQL • Ruby

FRAMEWORKS
• Android • Nodejs • React • Flask
• Unity3D • Tensorflow • Pytorch

COURSEWORK

UNDERGRADUATE
Algorithms
Data Structures
Computer Graphics
Computer Systems Organisation
Database Management
Operating Systems

SELF
Android Development
Machine Learning
Deep Learning
Computer Vision
Computer Networking
Natural Language Processing

AWARDS

2018	Qualified for Facebook Hacker Cup Round 2.
2018	Academic Merit Scholarship, Top 1% out of 200+ students in the department.
2017	Rank 615, Pre-Elimination SnackDown 2017, CodeChef
2016	Certificate of Achievement, MITx, edx
2015	Letter of Appreciation, MHRD, Govt. of India.
2013	Certificate of Merit, CBSE, for 10/10 CGPA.
2009	Certificate of Merit, National Literacy Mission, Jamia Millia Ismlamia.

EDUCATION

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
B.E. in Computer Engineering
Expected June 2019 | New Delhi, India
Aggregate: 81.85% (Across Six Semesters.)

SPRINGDALES SCHOOL, PUSA ROAD
AISSCE (CLASS XII)
2015| New Delhi, India
Aggregate: 96.4% - Ranked 2/250+ Students in the School.

AISSE (CLASS X)
2013| New Delhi, India
Cum. GPA: 10/10 - Topped in the School.

WORK EXPERIENCE

MICROSOFT | Software Engineering Intern
May 2018 - July 2018 | Hyderabad, India
- Worked on the Azure storage backup team, in C# and .Net framework to roll out an agent auto update feature for Azure Backup and Recovery Agents (e.g. MARS, AFS etc.)
- Designed and implemented a No-SQL key/value based Global Catalog in Cosmos DB ensuring right abstractions and taking into account parameters like scalability, disaster recovery and cost efficiency.
- Carried out the E2E integration and Unit testing of Service Side APIs.

NATIONAL INFORMATICS CENTER | Research Intern
June 2017 – March 2018 | New Delhi, India
- Researched on dark data analytics and knowledge mining techniques to extract significant insights from biomedical research documents under the supervision of Scientist-F, Ramesh Singh.
- Implemented various data visualization (e.g. bibliometric visualizations) and NLP based (e.g. topic modelling) techniques, in Python and R, to model and construct a biomedical knowledge base from dark data.
- Developed a tableau-like dashboard tool in React and Nodejs as a side project to visualize data findings.

PROJECTS

ARTLY: NEURAL STYLE TRANSFER IN PYTORCH Developed a real time style transfer app in Flask and Pytorch based on this paper .

IMSTEG: IMAGE STENOGRAPHAR Developed a command line utility in Python using the LSB(least significant bit) algorithm to encode and decode invisible watermark text strings in images without any degradation in the quality of the image.

DEEP RECURRENT Q NETWORKS Developed a novel Deep Recurrent Q-network (DRQN) to overcome the shortcomings faced by AI agent of limited perception of game environment by adding an RNN on top of an DQN to enable it to retain information from states further back in time

TEXT-RNN Developed a Multi-layer RNN for both character-level and word-level language models in Tensorflow and Pytorch to generate text following JK Rowling writing style adapted from the Harry Potter series.