Ankit Kumar Jaiswal

Curriculum Vitae

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Interest Domain

Parallel Programming, Machine Learning, Functional Programming, Automated Theorem Provers

Education

2016 - 2017	**Master of Science in Mathematics**, *Indian Institute of Science*, Bangalore. *CGPA – 5.9(out of 8)*
2012 - 2016	**Bachelor of Science (Research) in Mathematics**, *Indian Institute of Science*, Bangalore. *CGPA – 6.1(out of 8)*
2012	**Senior Secondary Examination**, *CBSE*, DAV Public School, Anpara. *Percentage – 86*
2010	**Secondary Examination**, *CBSE*, DAV Public School Anpara. *GPA – 9.4(out of 10)*

Technical Skills

Programming Language	C, Python, Scala
Multiprocessing Tools	OpenMP, MPI
Web Development Tools	HTML, CSS
Shell Scripting	Bash (Linux)
Version Controlling Tool	git
Operating Systems	Fedora, Ubuntu, Windows

Selected Projects

ParMizar - parser for formal proofs in mathematics

2015-2016	It is a program written for parsing *Mizar Library* which is a collection of formal proofs of mathematical theorems; in order to compare different proofs and eventually help to create knowledge graphs

| Language | Scala, using parser combinator |
| Link | https://github.com/Ankit-Jaiswal/ParMizar |

Superficial - curves and other structures on surfaces

2016	It is a program written in Scala which identifies simple closed curves over an orientable surface (topology).
Language	Scala
Link	https://github.com/Ankit-Jaiswal/Superficial

Distributed Learning - a faster ML system

2017	It is an effort towards exploring ways of parallelizing existing ML system and coming up with improvements which is unique to such parallel ML system.
Language	Python
Link	Presentation

Relevant Courses

Algorithms and Programming, Automata Theory and Computability, High Performance Computing, Scientific Computing, Machine Learning

Extra-Curricular Activities and Achievements

2016	Participated in the Open Day discussion at Maths Dept on AI vs Mathematics.
2015	Membered Pravega Finance Committee and managed online registration for workshops through consistent query or grievance redressal, which resulted 20% more registration than the previous year.
2014	Coordinated Game Development workshop in IISc during annual fest, Pravega.
2013	Demonstrated few UG level Physics experiments to school kids during OPEN DAY at UG Dept.
2012	Participated in VIJYOSHI- 2012 camp in IISc, organised by KVPY and DST- Inspire.
2012	Participated in Alan Turing Centenary Event organised at IISc.