

Aditya Vijaykumar

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RESEARCH INTERESTS	Theoretical Physics		
EDUCATION	Birla Institute of Technology and Science (BITS), Pilani M.Sc. (Hons.) Physics and B.E. (Hons.) Mechanical Engineering 2013 - 2018 (Expected) High School - St. Vincent's High School, Pune (Maharashtra HSC) - 94.27% 2011 - 2013 Secondary School - Rosary High School, Pune (Maharashtra SSC) - 93.27% 1999 - 2011		
RESEARCH EXPERIENCE	Visiting Student (Masters Thesis) Centre for High Energy Physics (CHEP), Indian Institute of Science (IISc), Bangalore, India <i>To be mentored by Prof. Chethan Krishnan</i> July 2017 - June 2018 Locality, Entanglement and Quantum Gravity Summer Research Intern The Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune, India <i>Mentored by Prof. Raghunathan Srianand</i> May 2016 - July 2016 Analysis of Quasar Absorption Lines from SDSS Photometric Data Summer Research Intern The National Centre for Radio Astrophysics (NCRA-TIFR), Pune, India <i>Mentored by Prof. Yashwant Gupta</i> May 2015 - July 2015 Testing and Debugging the Transient Detection Pipeline for the Giant Metrewave Radio Telescope (GMRT)		
SELECTED PROJECTS	Gauge Theory in Particle Physics <i>Mentored by Prof. Biswanath Layek, BITS Pilani</i> Aug 2016 - Dec 2016 to be written Entanglement Production in Coupled Chaotic Systems <i>Mentored by Prof. J N Bandyopadhyay and Prof. Tapomoy G Sarkar, BITS Pilani</i> Aug 2016 - June 2017 to be written, and spacing corrected Black Holes and Naked Singularities <i>Mentored by Prof. Tapomoy G Sarkar, BITS Pilani</i> Jan 2017 - June 2017 to be written		
RELEVANT COURSES	Classical Mechanics, Electromagnetic Theory, Quantum Mechanics, Mathematical Methods in Physics, Statistical Mechanics, Computational Physics, Particle Physics, General Theory of Relativity and Cosmology, Introductory Quantum Field Theory, Intrductory Astronomy and Astrophysics		
TECHNICAL SKILLS	Programming Languages - Python, C, C++, Shell Script Softwares - MATLAB, Maple Tools/Frameworks - L ^A T _E X, Git		
AWARDS AND Co-CURRICULAR ACHIEVEMENTS	<ul style="list-style-type: none">• Receipient of the INSPIRE-DST Scholarship for Higher Education for the period 2013 to 2018• Selected for the Summer Research Fellowship of the Indian Academy of Sciences• Captain (Head) of the Clock Tower Restoration Team, BITS Pilani• Chief Coordinator of APOGEE 2016, the 34th edition of BITS Pilani's official annual technical festival• Founding Head of the Student Academic Cell, BITS Pilani, a think-tank responsible for improving the academic environment in BITS, Pilani		
HOBBIES	Competitive Coding, Watching Documentaries, Star Gazing, Editing Wiki Pages, Solving Puzzle		

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