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CONTACT INFORMATION	A-542, Rajiv Bhawan, IIT Roorkee, Roorkee, Uttarakhand 247667.	(+91)9557040676 ankgruec@iitr.ac.in
AREAS OF INTEREST	Computer Vision, Artificial Intelligence, Machine Learning, Web Development, Data Structures and Algorithms.	
EDUCATION	D.D.E.C. Ramaipur, Kanpur, UP. All India Senior School Certificate Examination(A.I.S.S.C.E.) conducted by Central Board of Secondary Education(C.B.S.E.), 2013, Percentage obtained: 92.0 Dr. V.S.E.C., Kanpur, UP. Indian Certificate of Secondary Education(I.C.S.E.) conducted by Council for the Indian School Certificate Examinations(C.I.S.C.E.), 2011, Percentage obtained: 97.2	
ACADEMIC ACHIEVEMENTS	<ul style="list-style-type: none">• Secured an All India Rank of 641 out of 14 lakh candidates in J.E.E.-Advanced, 2013.• Ranked in top 0.01% candidates in J.E.E.-Mains, 2013.• Awarded the Kishore Vaigyanik Protsahan Yojana(K.V.P.Y.) fellowship by the Department of Science and Technology, Government of India, for the year 2011.• Qualified the National Standard Examination in Physics(N.S.E.P.), 2012, placed amongst the top 0.01% of the candidates.• Qualified the National Standard Examination in Astronomy(N.S.E.A.), 2012. Placed in top 1% candidates of the state in the same in 2011.• Qualified the Regional Mathematics Olympiad(R.M.O.), 2012.• Secured the first position in inter-school level Mathematical Smartness Contest(MaSCon, 2011) for high school students.	
PROJECTS	Echo , May, 2014-July, 2014, <i>SDSLabs</i> <ul style="list-style-type: none">• An e-book search application which facilitates e-book search on the IIT Roorkee intranet.• Uses <i>Solr</i> for book indexing, runs a <i>node.js</i> script daily for indexing.• <i>Limonade</i> as a framework, provides effective routing, MVC and REST implementation. Barrel Shifter , February, 2014, <i>Guide: Prof. Sanjeev Manhas</i> <ul style="list-style-type: none">• Used to shift a 16-bit binary number by the specified number of bits to the left or right.• Coded in the language VHDL and used Xilinx as the IDE. CourseSpace , August, 2014-, <i>Guide: Prof. Balasubramaniam Raman</i> <ul style="list-style-type: none">• Ongoing project on Object Oriented Analysis and Design.• Is a web application that lets students interact with professors of the institute relating the courses that interest them.• Uses the router <i>Toro</i>.	

RELEVANT COURSES	<p>Computer Science</p> <p>CS101: Introduction to Computer Science and Engineering: Binary Logic, K-maps. CS103: Introduction to Object Oriented Programming: Java and Applets. CS102: Data Structures: Trees(AVL, RB), Heaps, Basic Algorithms. CS106: Discrete Structures: Set theory, Groups, Rings, Fields. CS291: Analysis and design of Object Oriented systems: UML, Design Methodologies. CS221: Computer Architecture and Microprocessors: Single and Multicycle datapaths, CU, ALU, Processor design(x85 and x86).</p> <p>Mathematics</p> <p>MA010: Optimization Techniques: Optimizations of real world models. MA001: Calculus and Linear Algebra: Surface integrals, Volume Integrals, Matrix Operations.</p>
TECHNICAL SKILLS	<p>Programming: C, C++, Java, Assembly Language(MIPS and x86). Web: HTML, CSS, JavaScript, PHP, MySQL. Frameworks: Limonade, Toro, JQuery, Bootstrap. Other Tools: L^AT_EX, Photoshop. Platforms: Linux, Windows 8/7/XP.</p>
POSITIONS OF RESPONSIBILITY	<p>Editor, Designer and Web Co-ordinator at WatchOut! News Agency, the official news magazine of I.I.T. Roorkee. Web Developer at SDSLabs, a popular development and coding group on the forefront of innovation at I.I.T. Roorkee.</p>
EXTRA-CURRICULAR ACTIVITIES	<ul style="list-style-type: none"> • An active spokesperson at IIT Roorkee as a part of SDSLabs: addressed the masses in numerous talks on HTML and web development, with hundreds of people attending. • Member of the Organising Committee of Thomso 2013, the annual cultural festival of IIT Roorkee. • Attended the BRICS workshop, 2010: Made a remote-controlled car using four way switches and multi-directional motors from scratch. • Made various bots as a member of the School Robotics Club: Line Follower, 2009: Moves on a defined path in the form of a line. Ball Grabber, 2009: Searches for a ball in the surroundings and fetches it. Humanoid, 2009: A human-like robot, that talks and responds to some fixed stimuli.
TALKS/SEMINARS ATTENDED	<p>Vijyoshi, 2012: At IISc Bangalore, for high school students in which professors from universities like Cambridge, UC Berkeley and IISc lectured on various topics in science relating to graph theory, cryptography, biology etc. Summer Camp, 2012: At IISER Bhopal, involving talks on many spheres of science like biology, physics and mathematics by eminent professors. Cloud Computing, 2013: by Microsoft at IIT Roorkee, involving the evolution and necessity of cloud storage.</p>