

National Science Foundation

Research Experience for Undergraduates (NSF-REU)

NSF-REU Opportunity. The main objective of this NSF-funded research experience for at most two undergraduate students is to involve them in collecting data, developing algorithms and mathematical models, and conducting simulation experiments for interesting real-world optimization problems. The students will work with [Dr. Subhash Sarin](#) and [Dr. Manish Bansal](#) (Grado Department of Industrial and Systems Engineering, Virginia Tech) and their PhD students. This research experience will:

- Enhance the students' ability to explore the broader impact of their coursework;
- Train them to tackle challenging and complex real-world problems by both independent and collaborative research tasks;
- Augment their professional experience and prepare them for future career (both for industry and graduate school).

Eligibility. Applicants must be currently enrolled undergraduates (preferably in the U.S.) who have completed at least 30 credit hours of undergraduate courses, have a strong academic record in **Operations Research, Computer Science, Mathematics, and/or Statistics**. A GPA of 3.5 or above is recommended; however students with a lower GPA will receive full consideration. Proficiency in at least one coding language (C/C++/Python/Java) is a must.

Compensation: Each selected student will spend 15-20 hours per week with a wage rate of \$15 per hour. This position is for Summer'24 and is extendable to Fall'24 depending on the performance of the students.

Application Procedure. Email your CV and transcripts to sarins@vt.edu and bansal@vt.edu along with a 1-page statement addressing why you are interested in this opportunity and how it fits your future career plans.