

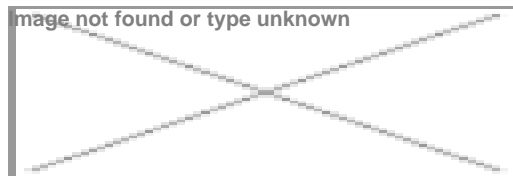
Graduate Research Assistant University of Memphis

Direct Link: <https://www.AcademicKeys.com/r?job=246878>

Downloaded On: Oct. 19, 2024 1:15pm

Posted Oct. 10, 2024, set to expire Feb. 9, 2025

Job Title	Graduate Research Assistant
Department	Department of Civil Engineering
Institution	University of Memphis Memphis, Tennessee
Date Posted	Oct. 10, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Graduate Student
Academic Field(s)	Civil Engineering Transportation Engineering
Apply By Email	
Job Description	



Up to Two Doctoral Student Opportunities at The University of Memphis – Transportation Systems Engineering

Position Description:

The Center for Transportation Innovation, Education, and Research (C-Tier) at the University of Memphis is looking to hire up to two doctoral students for the year 2025. Students selected the earliest could be admitted to the January 2025 session. All hires will be for doctoral students in Civil Engineering, focusing on transportation systems engineering. Candidates with bachelor's or master's

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degrees in civil engineering, City and Regional Planning, Mathematics, Statistics, Computer Science, and other related fields are encouraged to apply. To learn more about past and current research of the students, as well as to know more about our alumni, please go to <http://www.ce.memphis.edu/smishra/>.

Deadlines to apply:

Applications will be accepted until the positions are filled. Selection will be made on a rolling, first-come, first-served basis.

How to apply:

To be best considered for the position, please send the following documents to Dr. Sabya Mishra/Dr. Pranab Kar at smishra3@memphis.edu / pkar@memphis.edu

- Statement of Purpose; 2) Curriculum Vitae with three references; 3) GRE and TOEFL scores;

Responsibilities:

- Conduct research on topics related to traffic safety, transportation systems engineering, driver behavior modeling, and intelligent transportation systems.
- Collect and analyze data using advanced statistical and machine learning tools.
- Develop and validate models for traffic safety and operational performance.
- Contribute to the preparation of technical reports, research papers, and presentations for conferences.
- Assist in grant proposal writing and project management.
- Collaborate with faculty, researchers, and industry partners to solve real-world transportation problems.

Qualifications:

- Must be enrolled or accepted into a graduate program at the University of Memphis in Civil Engineering or a related field.
- Strong academic background in transportation engineering, traffic operations, or related areas.
- Proficiency in programming languages (Python, R, or MATLAB) and data analysis tools (ArcGIS, QGIS).
- Experience with statistical analysis and modeling is a plus.
- Excellent written and oral communication skills.

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Benefits:

- Fellowship to cover the entire tuition fee to take relevant courses (International students will not pay out-of-state tuition and in-state tuition will be covered by an award by the university). The tuition fee is around \$25,000 per year.
- Monthly stipend of \$2,000 - \$3,000 per month totaling \$24,000 - \$36,000 per year. This amount will rise each year based on performance and productivity.
- Excellent health insurance is covered during the entire duration of the doctoral program.
- Additional compensation for summer is made for productive students.
- Travel fellowships are provided to attend the Transportation Research Board Annual Meeting in Washington DC every year and other national and international conferences as appropriate during the doctoral program and research relevance.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Dr Sabya Mishra/Dr Pranab Kar
Department of Civil Engineering
C-TIER Lab
Memphis, TN 38152

Contact E-mail smishra3@memphis.edu/pkar@memphis.edu