Yash **Moar**

FORMER SOFTWARE ENGINEER @ HSBC · M.S. IN COMPUTER ENGINEERING (MAY 2027, VIRGINIA TECH)

Virginia Tech, Blacksburg

📱 (540)-824-9514 | ✉ yashmoar@vt.edu | in yash-moar

"A teacher affects eternity; he can never tell where his influence stops."

Dr. Alkan Soysal

BRADLEY DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

VIRGINIA TECH

BLACKSBURG, VA

Graduate Teaching Assistant Interest Statement

Greetings, Professor Soysal,

Intent to Support

I joined the Bradley Department as an M.S. student in Computer Engineering this fall with a focus on machine learning, and I'd like to be considered for a GTA role for the course **ECE 2514 - Computational Engineering**. This semester, I'm working with Dr. Virgilio Centeno on **ECE 2054 (Applied Electrical Theory)** and **ECE 3304 (Intro to Power Systems)** totaling 102 students. I create assignment rubrics, maintain a quick grading turnaround, promptly respond to student queries regarding homework and grading, tracking Canvas updates, and returning precise, encouraging feedback. A few habits I would carry into your class.

Professional and Project Experience

Before grad school I worked three years at **HSBC Technology** delivering microservice platforms for global mortgage processing. building large-scale applications, **mentoring new engineers** through a revamped onboarding program, designing reusable frameworks, and implementing efficient architectures that ensure faster operations. I have honed my ability to make decisions quickly and strengthened my skills in **documentation, reliability, and mentoring**. Academically, projects such as an FPGA-based digital stopwatch, a remote patient monitoring porta, and Diabetic Retinopathy Detection improved my **data-analysis** skills and sharpened my intuition for **designing systems**.

Collaboration Opportunities

I would gladly develop or polish rubrics and sample solutions, keep dependable office hours, handle forum questions, and document solutions for future reference. I can also leverage my scripting skills (Python/Bash) to automate administrative grading tasks where applicable. If you have time, I would appreciate meeting to explore how I can support and work with you this upcoming semester.

Sincerely,

Yash Moar

In summary: I welcome the chance to support your course and strengthen student learning in the Bradley ECE Department.