

RICE UNIVERSITY

By

Suguman Bansal

A THESIS SUBMITTED
IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE DEGREE

Doctor of Philosophy

APPROVED, THESIS COMMITTEE

M. Vardi

Moshe Vardi (Jun 22, 2020 15:49 CDT)

Moshe Vardi (Chair)

University Professor, Karen Ostrum George Distinguished Service Professor in Computational Engineering, Rice University

Rajeev Alur

Rajeev Alur (Jun 23, 2020 09:23 EDT)

Rajeev Alur

Zisman Family Professor of Computer and Information Science, University of Pennsylvania

Konstantinos Mamouras

Konstantinos Mamouras (Jun 22, 2020 15:44 CDT)

Konstantinos Mamouras

Assistant Professor of Computer Science, Rice University

Peter Varman

Peter Varman

Professor of Electrical and Computer Engineering, Rice University

HOUSTON, TEXAS

June 2020