

Subhadeep Bhattacharya

CONTACT INFORMATION	1405 Raa Avenue Tallahassee FL 32303	Cell: (+1) 850-405-8352 Skype: subhadeepit94_1 E-mail: sb17v@my.fsu.edu LinkedIn: www.linkedin.com/in/subhadeep-bhattacharya-fsu Github: https://github.com/sb17v Website: https://sb17v.github.io
RESEARCH INTERESTS	<ul style="list-style-type: none">• High Performance Computing: Parallel Programming Models, Communication Conduits for High Performance Interconnects• Bioinformatics: Microarray Data Analysis• Artificial Intelligence: Machine Learning and Deep Learning Frameworks	
EDUCATION	Florida State University , Tallahassee, Florida PhD, Computer Science , <i>CGPA 4.00/4.00</i> August, 2017 - Till Date St. Thomas' College of Engineering and Technology , Kolkata, India B.Tech., Information Technology, <i>DGPA 8.54/10.00</i> August, 2011 - August, 2015	
EXPERIENCE	Department of Computer Science, Florida State University , Tallahassee, Florida <ul style="list-style-type: none">• Graduate Research Assistant August, 2017 - Till Date Working in Computer Architecture and SysTems Research Lab (CASTL) under the supervision of <i>Professor Dr. Weikuan Yu</i>• Graduate Teaching Assistant August, 2017 - December 2017 Worked as a Teaching Assistant for Introduction to Operating Systems (COP 4610) Infosys, Bengaluru, India <ul style="list-style-type: none">• Systems Engineer Sept, 2015 - August, 2017 Worked as a Java and NodeJS application developer for developing Application and Microservices layer for different web applications specifically MyAccount and NBN+ for the Australian telecommunications company Telstra	
RESEARCH PROJECTS	<ul style="list-style-type: none">• OpenSHMEM-X Libfabric Conduit Implementation: Working on a project with Oak Ridge National Laboratory for implementing a communication conduit for OpenSHMEM-X using OFI Libfabric and trying to improve its portability and performance.• SHMEMCache on Hybrid Memory Architecture: Working on a project with Oak Ridge National Laboratory to enable Hybrid Memory Scheme for SHMEMCache.• Spark: Study of different shuffling mechanisms present in Spark and implementation of a custom logger for collecting different parameters related to shuffling phase to understand their characteristics.	
SELECTED PUBLICATION	Subhadeep Bhattacharya , Shaeke Salman, Manjunath Gorentla Venkata, Harsh Kundnani, Neena Imam, Weikuan Yu. <i>An Initial Implementation of Libfabric Conduit for OpenSHMEM-X</i> . OpenSHMEM 2018: Fifth Workshop on OpenSHMEM and Related Technologies (Baltimore, Maryland). August 2018.	
TECHNICAL SKILLS	<ul style="list-style-type: none">- Programming Languages: C/C++, Python, Java, Matlab, Javascript, JQuery, NodeJS, TypeScript- Database Management Systems: MySQL, Oracle, SQL Server- Frameworks: Sandia OpenSHMEM, ORNL OpenSHMEM-X, UCX, OFI Libfabric, Horovod, Spring Boot, Spring MVC, JSF, Hibernate, Mockito, Rabbit MQ, APIGEE, Camunda, Qt Framework- Operating Systems: Unix/Linux, Windows- Others: L^AT_EX, Doxygen, Git, SVN, Jira, Confluence, Stash, Bamboo	
ACADEMIC PROJECTS	<ul style="list-style-type: none">• Simple shell: An simplified Unix shell implemented using C++• Compiler for MicroC: Compiler for a simple C-inspired programming language using C, Flex and Yacc• Pretty printer: A simple pretty printer that takes any C code and produce a reformatted HTML• Single-pass compiler: A simple single pass compiler using C• Analysis of Microarray data to find out Important and Informative Genes: A system implemented using Matlab to study the gene expression from Microarray data set, estimate the missing gene expressions and determine an ensemble of classifiers to correctly identify the diseased samples from the non-diseased one	