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DIBYADARSHI DASH

EDUCATION

University of Michigan, Ann Arbor :- College of Engineering (*Sept 2017 – May 2021*)

Major :- Computer Science And Engineering
GPA :- 3.5
Honors :- William J. Branstrom Freshman Prize (*2018*),
University Honors (*2017*)
Courses :- Operating Systems, Web Systems, Data Structures and Algorithms, Computer Organization, Discrete Math, Linear Algebra , Honors Mechanics, Intro to Cognitive Science
Certificates :- M001-MongoDB Basics (*MongoDB University*)

EXPERIENCE

GyanSys Inc. :- IT Intern *(June 2019 – Aug 2019)*

Build SAPUI5 Fiori Mobile/Web Applications with features such as platform independence, Cordova / Kapsel plugins, integration with S4D data service, and publish it on the SAP Store.

Indian Institute Of Technology, Delhi :- Research Intern *(July 2018 – Aug 2018)*

Researched on peer to peer energy distribution between electric vehicles while maximizing social welfare. Implemented the iterative double auction mechanism in Python.

Blockchain at Michigan :- Co-Founder and Former Head, Research and Development *(Feb 2018 – Dec 2018)*

Building Michigan leaders in the Blockchain Space. Responsible for research and development initiatives. Conducted workshops, taught basics of Ethereum and solidity to students and held training intensive lectures for our cohort.

RESEARCH

Free Speech Technology :- Development team, Multidisciplinary Design Program *(Sept 2018 – April 2019)*

Researched on and developed Android/iOS microblogging applications supporting direct and transitive phone-to-phone communication that is resistant to outages, blocking, censorship, and surveillance.

PROJECTS

Memory Manager :- EECS 482 (Operating Systems) *(Oct 2019 – Nov 2019)*

Design and implement a *pager*, which is the part of the kernel that manages application processes' virtual address spaces. Utilized page tables, copy-on-write, “FIFO with second-chance” algorithm etc.

Thread Library :- EECS 482 (Operating Systems) *(Sept 2019 – Oct 2019)*

Creation of a multiple processor capable thread library, including classes to represent mutex, cv, thread, and CPU in C++.

Instagram Clone :- EECS 485 (Web Systems) *(Jan 2019 – Feb 2019)*

Implemented an Instagram clone with a templated static site generator, and server-side and client-side dynamic pages.

Map Reduce :- EECS 485 (Web Systems) *(Feb 2019 – Mar 2019)*

Implemented a single machine, multi-process, multi-threaded server that will execute user-submitted MapReduce jobs.

Wikipedia Search Engine :- EECS 485 (Web Systems) *(Mar 2019 – April 2019)*

Built a scalable search engine that is similar to a commercial search engine.
Information retrieval based on both tf-idf and PageRank scores.

SKILLS

Languages :- C, C++, Python, Java, HTML, CSS, JavaScript, ReactJS, Android Java, SAPUI5
Technologies :- Xcode, Visual Studio, NetBeans, Intellij IDEA, SAP Cloud platform, Bash Scripting, SQL, Git, MongoDB