AABHAS KHAREL

SOFTWARE ENGINEERING MAJOR

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TECHNICAL SKILLS

Languages	C/C++, Python, SQL
Web & Design	HTML5/CSS/JavaScript, Vue.js, Bootstrap/jQuery, React-Native
Software Skills	Software Development Life Cycle, Software Design, MVC pattern, Object-oriented design, Algorithms, Data Structures, Version Control, Agile methodology

EDUCATION

The University of Texas at Arlington   (May 2020)

Bachelor of Science in Software Engineering
GPA 3.71

PROJECTS AND HACKATHONS

HackUTA 18 at The University of Texas at Arlington   (October 2018)
- Won Facebook's Best Community Building Project title
- Built a web app in a group of four by implementing features to log hourly activity which produced simple but efficient data visualization
- Gained a lot of front-end experience by using Vue.js, HTML5/CSS3 to design the front-end of the app

HackRice 8 at Rice University   (September 2018)
- Won the Chevron company sponsored challenge
- Built a web app in a group of three by implementing features to handle work orders and algorithm to manage word orders in Chevron complex process facilities
- Gained experience of HTML5/CSS3 and jQuery/Bootstrap along with experience on some REST APIs

Cube Satellite   (February 2018 - present)
- Currently leading the power systems team to design efficient power system set up for the Cube-Satellite
- Built Cube-Satellite prototype using 3D Studio Max for preliminary design

Peer-to-peer Distributed Blackjack Game   (January 2018)
- Designed and developed software in a group of three using C++/FLTK
- Utilized the knowledge of software development life cycle, scrum and use case table
- Used practical approach to software development through analysis, design and implementation, documentation, testing and maintenance
  Other Projects at github.com/aabhaskharel

WORK EXPERIENCE

Treasurer
Students for the Exploration and Development of Space, UTA-Chapter   (February 2018 – present)
- Manage the finances of the organization by keeping track of all the expense, income and funding
- Organize bi-weekly meetings to discuss the current standings of the organization
- Coordinate and approach sponsors for various events and workshop activities

Specialized Tutor and Lab Assistant
MATH LRC, The University of Texas at Arlington   (September 2017 – present)
- Help students with their coursework by conducting weekly practice sessions and composing exam reviews to increase their productivity
- Coordinate with Professor to conduct weekly quiz and semester exams

Research Trainee
Department of Computer Science and Engineering, UTA   (February 2018 – June 2018)
- Designed and Implemented Efficient Trie Structure in C and performed data tests
- Researched on various tree based key-value storage for small data items