Kartik Gupta

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EDUCATION

Bachelor of Science in Computer Science   **May 2019**

University of Texas at Arlington (UTA). GPA **3.78/4.0**

SKILLS

- Programming Languages: Java, C++, Python, C, MySQL with JDBC
- Web Development: JavaScript, React.js, HTML5, CSS
- Tools and IDEs: Visual Studio, Eclipse, PyCharm, GitHub, JUnit, EclLemma
- Software Development Methods: DevOps, Agile, Waterfall
- Operating Systems: Windows 10, Linux Ubuntu

PROJECTS

Portfolio Website, Personal Project   May 2019

- Built a portfolio website hosted on **GitHub pages** built in **ReactJS, HTML5** and **CSS**.

Degree Monitor, Project Management   March 2019 – May 2019

- Building a cross platform mobile application for **Android** and **iOS** using **React Native** with native-base
- Part of a team of **four** members following **Waterfall** methodology to create a degree monitor for college students to calculate GPA and to store advising dates.

Summer Camp Web Application, UTA Summer Conferences   August 2018 – May 2019

- Designing a **full**-**stack** web application using **ReactJS**, **REST API** and a **MySQL** database
- Working as a **front**-**end developer** in a team of **five** people using **DevOps** Methodology
- Will serve more than **300** customers and save more than **$50,000** every Summer

Airline Database Management System, Databases and File Systems   January 2017 - April 2017

- Created using **MySQL** and **Java** Database Connector (JDBC) on a **Linux** based server
- Implemented a database system on CLI for an airline to schedule flights, hire staff, and customize trips

Store Management System, Object-Oriented Programming   October 2016 - December 2016

- Built a **C++** system in a **Linux** based system using Fast Light Toolkit (FLTK) for GUI
- Used **Agile** Methodology in a team of **four** members

RELEVANT COURSEWORK

Project Management, Software Testing and Maintenance, Object-Oriented Programming, Algorithms and Data Structures, Database and File Structures, Object Oriented Software Engineering, Programming Languages, Professional and Technical Communication, Software Design Patterns, Operating Systems

WORK EXPERIENCE

Research with Dr. Sajib Datta   May 2019 - Present

- **Compile information** from topics like **Databases, OS, Networks and Computer Architecture** into **easy to understand** material for people from a **non-technical background**.
- Potentially help **hundreds of people** to **explore their interests** in a Computer Science field and **discover their capabilities** alongside.

Supplemental Instruction Leader, UT Arlington   August 2017 – May 2018

- Lead group sessions and promote independent learning amongst students for **Data Structures and Algorithms**, **Intermediate Programming** courses
- Helped more than **80** students to study efficiently and effectively to gain a deeper level of understanding for the material.

Peer Educator, UT Arlington   January 2017 – May 2018

- Guided over **100** students in college courses for a better academic performance in college level courses.
- Tutored courses involving **Computer Science, Math, Physics** and helped students achieve a better grade by helping them study the right way.

Office Assistant, UT Arlington   May 2017 – August 2017

- Helped increase awareness of tutoring and supplemental instruction by **hosting orientation booths** for new and transfer students at UT Arlington.
- Assisted administration staff with tasks throughout the office and **attended the front desk** to help fellow students and their guardians **set up online accounts** for the Tutoring service.

HONORS AND SCHOLARSHIPS

The University of Texas at Arlington

- Named in the **Dean's List** in Spring 2019, Spring 2018, Fall 2017, Spring 2017, Fall 2016
- Awarded **the Presidential Charter Scholarship of $4,000** for **each semester** on **in-state tuition** for academic performance and consistency in grades.

Tau Beta Pi

- Awarded the **Tau Beta Pi Academic Scholarship of $1,000** for both semesters of my Senior year for upholding Tau Beta Pi's values of academic excellence and honor.

CONFERENCES

- **ACM Richard Tapia Conference** in September 2018 in Orlando, Florida
- **Grace Hopper Celebration** in September 2018 in Houston, Texas
- **Society of Women Engineers Conference** in October 2018 in Minneapolis, Minnesota

VOLUNTEERING

- Helped pack up equipment after a fair at **River Legacy Park** in Arlington, Texas in October 2017
- Assisted **Mission Arlington** in moving crates of water from storage onto transit in November 2017
- Cleared out a wilderness area at the **O.S. Gray National Park** in Arlington, Texas in September 2015
- Facilitated a move-in for an **on-campus dorm, KC Hall** in UT Arlington in September 2015