ABHISHEK EMIL MANDAL

abhi.mand@utexas.edu | GitHub | LinkedIn
Austin, Texas 78705 | (956) 251-9515 | [U.S Citizen]

EDUCATION

The University of Texas at Austin   Bachelor of Science, Electrical & Computer Engineering   **May 2020**
Cockrell School of Engineering   **Technical Cores:** Software Engineering & Product Management

SKILLS

Programming Languages: Java [Intermediate], C/C++ [Intermediate], Python [Basic] JavaScript [Basic], HTML/CSS [Basic]
Frameworks & Tools: Git, Linux, React.js, Material-UI, Node.js, IntelliJ, CLion, Android Studio, JUnit
Languages: Fluent in Bengali; Functional in Hindi and Spanish

EXPERIENCE

Deloitte LLP – *Consultant;* Dallas, TX   **January 2021**
- Incoming Cyber Risk Consultant for the Risk & Financial Advisory branch

Fujitsu Network Communications Inc. – *Software Engineer Intern;* Dallas, TX   **June 2019 – August 2019**
- Developed "Smart Parking" web app to analyze status and allotment of parking areas with Strategic Planning Team under the 5G Era Project initiative
- Created user-interface access to parking camera and data figures using React.js, Material-UI, and Visual Studio
- Communicated with 3rd party vendors such as Microsoft to purchase, evaluate, and integrate data analytics API
- Designed back-end services and protocols with acquired data analytics API using Node.js and MySQL
- Outlined software architecture with NaaS team to assimilate network and web app into one container using Docker
- Deployed application for commercial use in DFW Airport and Dublin, Ohio as on-site trial runs

Mobile Pervasive Computing Group – *Researcher;* Austin, TX   **May 2018 – August 2018**
- Researched and developed a program in MPC Lab for the Child Independent Mobility (CIM) project
- Implemented in Java an Android application for smart mobile devices using Bluetooth API's that operates automated procedure to observe adolescents
- Utilized Internet of Things' (IoT) Nordic "Thingy" devices to communicate packets information for project
- Employed tailored Continuous Neighborhood Discovery in application by applying Bluetooth Low Energy (BLEnd) protocols to achieve low energy cost benefits and accessible configuration

PROJECTS

Senior Design Project – Client: *Nokia Europe*   **Fall 2019 – Current**
- Created testing framework for data privacy algorithms to test effectiveness of de-identification protocols that adheres to GDPR laws for telecommunication data – implemented in Python

Software Design & Engineering Project – *Chat Rooms*   **Spring 2019**
- Created multi-client chat server with a partner that hosts channels for 1-1, group, or public chats that works across multiple computers - implemented in Java using socket programming, multi-threading, observer design patterns, and FXML

JP Morgan Chase & Co. Code for Good – Client: *United Way*   **Fall 2018**
- Developed marketplace app for United Way that allows users to sell or donate unwanted items locally using Android Studio, React Native, and Expo within twenty-four hours for coding and presenting

LEADERSHIP EXPERIENCE AND ACTIVITIES

Beta Chi Theta (National Fraternity on IFC) – *Academic Advisor; Director of Recruitment*   **Spring 2017 – Current**
- Preparing campus events and student orientation functions to introduce individuals to Greek Life/UT Austin
- Leading operations to streamline recruitment and coordinate participation to maximize outreach by analyzing market
- Producing monetary funds for our philanthropy Beating Heart Disease by arranging fundraising events
- Developed leadership and time management skills through new member education program

HONORS

- University Honors   **Spring 2018**
- JP Morgan Chase Endowed Scholar   **Fall 2017**
- Stephen T. & Rebecca D. Kush Endowed Leadership Scholar   **Fall 2016**