

SRIKRUTHI MATLI

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EDUCATION

Georgia Institute of Technology (Atlanta, US)

Expected Graduation – Dec 2022

Master of Science in Computer Science

Coursework: Principles of UI Software | Data Visualization-Principles | Mobile and Ubiquitous Computing | Personal Health Informatics

Visvesvaraya National Institute of Technology (Nagpur, India)

Jul 2016 - May 2020

Bachelor of Technology in Electronics and Communication Engineering

GPA: 8.04/10.0

Coursework: Computer Programming | Image Analysis and Computer Vision | Mobile Communication Systems | Digital Communication | Concepts of Operating Systems | Linear Algebra | Probability Theory | Calculus I | Calculus II | Numerical Methods

SKILLS

Languages/Libraries: C, Python, Pandas, NumPy, JavaScript, Matlab, SQL, Python, Java

Technologies: HTML 5, CSS 3, Angular 8

Frameworks and Tools: PowerBI, Tableau, Anaconda, Visual Studio, ServiceNow, MATLAB, Git, AWS, Figma, Adobe Creative Suite, Agile, Jira

Research Methods: Formative and Evaluative Qualitative Research, Quantitative Research, Presentation of Concise Findings and Recommendations to Stakeholders

EXPERIENCE

Front End Engineer | Fidelity Investments-India

Aug 2020 – Aug 2021

JavaScript | HTML | Angular | PowerBI

Chennai, India

- In Business Intelligence and Analytics team:**
 - Designed and built single page web applications using Angular and Java API.
 - Provided python tech support and developed functionalities to automate excel report deliveries through email from Tableau.
 - Created reusable web applications using CSS to visualize financial statistics.
 - Conducted workshops to train business team to add metrics to data warehouse without requiring technical assistance.
- In Analytical Research and Data team:**
 - Developed an interactive visualization to perform skill inventory by creating a data model using DAX coding and building a dashboard with Power BI.
- Visualization Framework:** Developed web applications using HTML, JavaScript, and CSS for the business team to access and edit data warehouse using the SPA. The websites contained financial metrics, Tableau reports, domain information, etc.

PROJECTS

PCOS and Mental Health

Georgia Tech, Fall 2021

- Carried out user research and market analysis of existing menstrual health mobile applications.
- Used a user-centered approach to design and create low and high fidelity prototypes of a mobile application for women with PCOS.

Privacy with MARS

Georgia Tech, Fall 2021

- Designed a user study interview along with video prototypes showing different types of interactions with MARS- a wireless microphone for smart speakers.
- Evaluated the efficacy of each interaction and worked on improving the robustness of the existing model.

Disaster Response Network Using D2D Communication

Apr 2019- May 2020

- Designed and coded a simulation model to create a response network in disaster struck areas using device to device communication.
- Considered a scenario in which devices in a disaster affected area are stationary, having minimum energy and the base station is not in working condition.
- The base stations in working conditions within the vicinity of the disaster affected area are employed to communicate information to the devices in the vicinity of the working base station.
- Device to device communication is used to transfer the information within all the devices in affected area until target is reached.

Emotion Recognizer Using Voice

Sep 2019

- A machine learning project used to detect the emotion a person is displaying using his/her voice.
- KNN and Monte Carlo techniques were applied to implement this project.

ACHIEVEMENTS & CURRICULARS

- Selected for a fully funded MS-ECE program in Japan under the **MEXT scholarship program** for the year 2020.
- National Level** Gold Medalist in International Math Olympiad (IMO).
- Recognized for multiple excellent performer awards for my contributions towards projects at Fidelity Inv. and cash prizes worth 500USD.