

# JUI PATEL

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## EXPERIENCE

### Software Developer Analyst | *Blackrock, Gurugram*

July 19 – April 21

- Key Java developer enabling the generation and handling of SWIFT messages to accommodate SecLending business.
- Completed 25+ key SWIFT related enhancements, changing some of the core functionalities in Java.

### Software Developer Intern | *Blackrock, Gurugram*

Jan 19 – June 19

- Remodeled the previous Settlement Monitor to facilitate a real-time, web-based Treemap for exception based settlements view using Highcharts.
- Incorporated Apache Ignite for distributed cluster based database management and caching in Java, improving the workload streaming by 30%.

### Summer Intern | *Espire Infolabs, Gurugram*

May 18

- Created a portal to efficiently manage employee tax calculation and benefits for payroll generation using JSP at the backend; designed its frontend using CSS and Bootstrap.
- Used 2 kinds of database systems - MYSQL Workbench to store employee & admin login details; API Apache POI to store real-time tax and payroll related data in excel sheets.

## ACADEMIC PROJECTS

### Generative Bedsheet Design | *p5.js, HTML*

- Created generative bedsheet art from air pollution datasets to raise awareness.
- Used OpenProcessing API for the datasets.

### Moving Music (ongoing) | *CNN-LSTM, Unity*

- Goal is to generate music based on live dance movements.
- Classified dance gestures using CNN-LSTM model.
- Dataset collected using Kinect and Unity 3D.

### Hunger Cure Design | *Figma*

- Designed a fast food app to give a fast ordering, budget-friendly and hassle-free experience to users.
- Conducted User Research both qualitative and quantitative.
- Used Figma to create wireframes, lo-fi and hi-fi prototypes.

### Medicine Dispenser | *Firebase, BeagleBone, Servo Motor, QR Prescription*

- Developed a BeagleBone based medicine storing and dispensing machine which scans QR Code to access list of medicines; aiming to prevent the misuse of drugs and handing fake prescriptions.
- Constructed the backend model using Firebase; which generates a QR code directly from online doctor's prescription; for integration of the self-designed dispensing machine to customized mobile and web application.
- Won the most innovative project award among 50+ teams at VIT Chennai.

## EDUCATION

### GEORGIA TECH | MS Digital Media

Aug 21- May 23

First year

### VIT UNIVERSITY | BTech

### Computer Science

July 15- July 19

CGPA - 8.54 / 10.0

## SKILLS

### Technical

Java, C#, HTML, CSS, Javascript, P5.js, Twine Sugarcube, MySQL.

### Design

UX/UI, AR/VR, AI, Generative Art, Poster.

### Tools/Software

Unity, Figma, Git, JIRA, Canva, Adobe XD, HighCharts, Visual Studio.

### Certifications

NPTEL - Social Networks, Top 5% Rank, IIT Madras.

Coursera – Google UX Design

Professional certification (ongoing).

## POSITION OF RESPONSIBILITY

### Design Chair & Department

### Representative | GradSWE

Oct 21 – Present

- Creating Flyers, posts and posters for events.
- Coordinating with Digital Media department to circulate event information.

### Nukkad Head | VITCC Dramatics Club

Jan 17 – Jan 19

- Directed and performed 12+ Street Plays on sensitive issues.
- Lead the Nukkad Team in SRM MILAN'17 festival (cultural fest, SRM University) securing 1st place

\*\*Nukkad - Street Play