
EMPLOYMENT

Technology Associate **Morgan Stanley** **Aug 2014 – Present**

Alerting Engine – process alerts concurrently and sends notifications to Email, Inapp, Push and SMS Channels.

- Reduced workaround time for resource bundle changes by moving them to persistent storage and implemented fallback mechanism for cache misses.
- SMS Channel Design and Implementation. Evaluated external Sms service providers namely Twilio, Nexmo and Plivo. Working on implementing this application as a standalone service which any application can use.
 - **Scala, Akka, Velocity, TeamCity, DB2, Git**

Developer, Intern **Morgan Stanley** **Jan 2014 – June 2014**

Dashboard Framework – easing the process of creating dynamic dashboards for various internal applications.

- Every business specific portal application has dashboards with widgets to showcase charts, grids and videos.
- This framework allows creation of dynamic dashboards in weeks which took many months previously.
 - **Java, ExtJs, Spring, Sybase, Perforce**

Contract Developer, OGDF **[Google Summer of Code](#)** **April 2013 – Aug 2013**
[OGDF.js for the Web](#)

- Ported Open Graph Drawing Framework C++ library which is full of templates to Javascript in order to use it on virtually on any JS platform including your browser and node.js.
- Porting was done using C++ to JS compiler Emscripten.
 - **C++, Javascript**

Contract Developer, ASCEND **[Google Summer of Code](#)** **Jan 2012 – Aug 2012**
[Custom Icons for Canvas Based Modeler](#)

- Drag icons on icon palette to canvas, create connections between them and enforce constraints if any.
- Providing functionality to create custom shaped icons and not just rectangles and squares.
- Code for the model is generated from the flow chat which can be then sent to the Solvers.
 - **Python, Gaphas**

EDUCATION

Gujarat, India **[Dhirubhai Ambani Institute](#)** **July 2010 – May 2014**

- B. Tech. in Information and Communication Technology. Grade - 8.1/10
- Relevant Courses: Algorithms and Data Structures; Information Retrieval; Software Engineering; Operating Systems; Databases, Graph Theory.

TECHNICAL EXPERIENCE

Projects

- **[Liar's Poker Game](#)** (2015). An online multiplayer card game, where bets are poker hands.
 - **Play2, Scala, Squeryl, Websockets, SSE, Ajax.**
- **Micro shell** (2014). It could run simple Unix commands and some customized commands with **C system calls**.
- **[Angry Birds Player](#)** (2013). A computer program written in **Java** that can successfully play Angry Birds.

ADDITIONAL EXPERIENCE AND AWARDS

- Head of College's **Programming Club** (2013): Took sessions on competitive problem solving and designed problems for the intra college contests.
- **ACM ICPC Regionals** (2012): Ranked 81st among 258 top teams of India.
- **India Poker Championship** (2011): Finalist, ended up at 4th position.

LANGUAGES AND TECHNOLOGIES

- **Scala, Python, C++, Javascript, Akka, Play Framework, Git, Linux**
- I write at **[Philosophy Blog](#), [Tech Blog](#), [Github](#), and [Quora](#)**