

# DEBRAJ DEY

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[Portfolio](#)

## EDUCATION

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|---|--|--------------------------------------|
| • <b>Purdue School of Science</b>         | <b>MS in Computer and Information Science</b>    | <b>Grad: May 2019 (GPA- 3.50)</b>    |
| • <b>Calcutta Institute of Technology</b> | <b>BTech in Computer Science and Engineering</b> | <b>Grad: August 2016 (GPA- 3.65)</b> |

## WORK EXPERIENCE

- **Web Developer**, University Information Technology Services (UITS) at Indiana University **November 2017 – April 2019**
  - Responsibility includes website development on different platforms using HTML5, CSS, JavaScript, Bootstrap, Angular.
  - Used content management systems like WordPress and Drupal, including website connectivity with Kaltura.
  - Working with different data formats like XML and JSON also managing university information and database.
  - Diagnosed errors, troubleshooting media plugins. Working alongside experienced software developer and testers.
- **Software Engineer**, Wipro Limited **August 2016 – July 2017**
  - Responsibility includes Web Application development testing, troubleshooting. Worked mainly in Agile Environment.
  - Experienced in developing tools like Visual Studio, IntelliJ. Website Development and Database Connectivity using Firebird.
  - Constant testing on email servers using MX Toolbox and troubleshooting the issue if not escalate.
- Technical Assistant**, University Library at Calcutta Institute of Technology (CIT) **January 2013 - December 2015**
  - Responsibility included Database Administrator 40% Technical Analyst 60% including constant development of university website.
  - Library Management- Registering books in college database, keep a track on books. Troubleshoot hardware devices as well as helping students.

## WORK PROJECTS

- **Migration project (Indiana University)** **November 2017 - April 2019**
  - Developed new websites using HTML5, CSS, JavaScript, Bootstrap, with constant testing and covering all possible test cases.
  - Expertise in Angular framework directives, services, controllers, filters, templates, events and injectors.
  - Migrated university blogs and media to Kaltura Media Space. Adding RSS feeds to playlists and test them on different platforms.
  - Installed and activated different Plugins in CMSs like WordPress and Drupal on the university blogs pages and tested functionality.
  - Database connectivity process between Kaltura and University server. Monitoring server usage SolarWinds SAM.
- **Searching Toolbox (British Telecom)** **August 2016 - March 2017**
  - Advanced Keyword Driven Searching Technique and worked on a new searching algorithm technique using Choco and Struts2.
  - Identified, analysed and documented gaps in existing test coverage for the new advanced algorithm.
  - Introduced new toolbar using HTML / JavaScript for product search, offer search, redeem codes and did error monitoring for fake codes.
  - Advanced Login process, enabling more secured customer information and payment information.
- **BT TV New User Guide (British Telecom)** **March 2017 - July 2017**
  - Introduced BT Sports 3 and UEFA Champions League broadcast page using HTML / Bootstrap / JavaScript.
  - Worked on a new TV help tool for BT TV customers and a self-troubleshooting tool for users to get a quick fix.
  - Developed, maintained and customized the existing live streaming media plugins. Created news pages for the user guide.

## OTHER PROJECTS

- **Games - CatRatDog, Blackjack** **December 2018 - March 2019**
  - Developed the front-end using CSS / HTML5 / XHTML / Bootstrap / JavaScript framework to build this single player game.
  - Typed.js library is used for better UI Design. Covered and reviewed all the test cases carefully to achieve an accurate result.
  - Used Different functional logic to make the games much more interactive and fun to play to achieve a satisfying user experience.
- **The Polis Center - IUPUI** **April 2018 - March 2019**
  - Responsible for the architecture, design, implementation using HTML / CSS / JavaScript. Updated website inventory using WordPress.
  - Utilized Angular to implement website functionality. Made compatible with desktop, mobile and tablet by creating print friendly pages.
  - Worked on different buttons, tabs, box design, animation to make them look appealing for better user experience.
- **Pain and Policy Studies Group** **May 2018 - December 2018**
  - Designed and deployed menus, submenus, side navigation bar for the Drupal website using HTML5 / CSS / JavaScript.
  - Migrated the website from Drupal 6 to Drupal 7 after carefully backing up existing data and other settings and configuration.
  - Customized footer, removed white spaces, updated the existing UI, made pages print friendly and browser compatible.
- **Game of Thrones Visualization** **January 2018 – May 2018**
  - Implemented Force-Directed Graph, Interactive Web, Interactive Bubble Chart using d3.js libraries.
  - Used HTML5 and CSS to build the main page and include all three-visualization techniques. Used Kaggle's dataset.
  - Analyzed the family tree and dynasty of the characters in the series and books. Also, measured the weighted average.

## SKILLS

- Java || JavaScript || HTML || CSS || Bootstrap || Angular || jQuery || Node || Version Control - Git
- WordPress || Drupal || Webservices || GraphQL || REST || SOAP || Tableau || Google Analytics || AWS
- JSON || XML || CSV || MYSQL || PIG || HIVE || SPARK || Ambari Sandbox || C++
- CI/CD - Jenkins || Chai || Visual Studio || Eclipse || IntelliJ || Wireshark || Carshark