

DEBRAJ DEY

Indianapolis, IN

+1 (513) 526 3929

deyd@purdue.edu

[LinkedIn](#) [GitHub](#)

[Portfolio](#)

EDUCATION

- | | | |
|---|--|--------------------------------------|
| • Purdue School of Science | MS in Computer and Information Science | Grad: May 2019 (GPA- 3.30) |
| • Calcutta Institute of Technology | BTech in Computer Science and Engineering | Grad: August 2016 (GPA- 3.65) |

SKILLS

- Java || JavaScript || HTML || CSS || Bootstrap || Angular || React || jQuery || Node || Vanilla || Version Control – Git || Redux
- WordPress || Drupal || Webservices || Webpack || Parcel || GraphQL || REST || SOAP || Tableau || Google Analytics || AWS
- JSON || XML || CSV || XSL || MYSQL || PIG || HIVE || SPARK || Ambari Sandbox || C++ || Selenium || D3 Libraries || Design Patterns
- CI/CD - Jenkins || Chai || Visual Studio || Eclipse || IntelliJ || Wireshark || Carshark || Shopify || JIRA || SEO

WORK EXPERIENCE

- **Web Developer**, University Information Technology Services (UITs) at Indiana University **November 2017 – May 2019**
 - Responsibility includes website development on different platforms using HTML5 | CSS | JavaScript | Bootstrap | Angular | React.
 - Worked with different data formats like XML | JSON also managing university information and database. Used repositories like GIT | SVN.
 - Used content management systems like WordPress and Drupal, including website connectivity with Kaltura.
 - 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.
 - Good amount of work done on Reactive forms or Web Forms 2.0 in Angular and their Validations. Used Node.js for server-side coding.
 - 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. Troubleshot hardware devices as well as helped 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 CMS 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.
- **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.
- **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 | JavaScript. Validated Web forms using Angular.
 - 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 - April 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.
- **Data Visualization on Game of Thrones Dataset** **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.
- **Electronic Voting System Using Blockchain (Hyperledger)** **August 2018 – December 2018**
 - Used Hyperledger Composer and Hyperledger Fabric to create a permission blockchain application for electronic voting.
 - Explored different possibilities for system design using JAVA, provided an implementation to satisfy the requirements of an EVS.
 - Analyzed the performance of our system and reviewed the satisfaction of electronic voting system requirements.
- **A Competitive Study between Different Software Design Patterns Using Java** **January 2019 – April 2019**
 - Considered six different structural and behavioral design patterns and implemented them independently using Java.
 - Compared each one of the design patterns by taking different parameters like usability, efficiency and code management.