**Contact:** (669)225-7926|[nagarajan.12@wright.edu](mailto:nagarajan.12@wright.edu)  
**Portfolio:** <http://goo.gl/cihz7X>  
**Linkedin:** [www.linkedin.com/in/meenakshi-nagarajan-b8354564](http://www.linkedin.com/in/meenakshi-nagarajan-b8354564)  
**Location:** Dayton, OH

**MEENAKSHI NAGARAJAN**

**USER EXPERIENCE|USER INTERFACE DESIGNER/DEVELOPER**

**PROFESSIONAL SUMMARY**

* A self-motivated individual with over 1.5 years of experience in the field of user experience design and development
* 2.5 years of experience with the entire software development life cycle
* Profound understanding of web development frameworks
* Represented as a speaker at an international conference
* Received recognition for academic excellence in freshman and sophomore year
* Experience working with diverse groups of people

**RELEVANT EXPERIENCE**

**Graduate Research Assistant**, Wright State University **2016 – Current**

* Responsible for designing a Cyber-Physical System (CPS) using C# following MVVM architecture to integrate an intuitive user interface with an ontology knowledge base. Improved the situational awareness of the command officers in Incident Command System (ICS) during emergency response
* Created wireframes or mockups for the ICS. Was involved with the user interviews and observations to synthesize into user personas
* Carried out landscape analysis and created medium fidelity prototypes to identify the best distraction aid for tinnitus patients.
* Evaluated user feedback and developed a functional android application featuring 2 back test for tinnitus patients
* Engaged in literature review in the field of wearable technology to improve the operator safety in petrochemical industries

**Graduate Teaching Assistant**, Wright State University **2016 – Current**

* Prepared and taught lectures on developing prototypes, wireframes/mockups and survey tools like Qualtrics to understand the Voice of Customer for Human-System Interaction and Usability Engineering coursework
* Assisted the faculty in designing class projects for developing a user-centered website/mobile design

**PROFESSIONAL EXPERIENCE**

**Systems Engineer,** TATA Consultancy Services Ltd.**2013 – 2015**

* Introduced a stock management application with Oracle Service Bus (OSB), Xquery and PL/SQL that could process the information about 30000 or more periodically for British Telecom
* Migrated services from Java to OSB to optimize the application flow and received client level appreciation for the same
* Worked on agile development and design facilitating retail line-of-business of British Telecom
* Experience with industry standards like Automated Testing Framework, Performance Testing and Splunk for live log monitoring, data analysis, generating reports, alerts, and dashboards for real-time monitoring
* Provided end-to-end support by interacting with testers through emails or calls. Sorted out issues that come up during testing
* Troubleshot issues concerned with weblogic servers, JMS queues and messaging bridges
* Managed secured data transfer with XFB file transfer protocol
* Received ‘On the Spot’ award for best performance in development and support activities

**RELEVANT COURSEWORK**

|  |  |
| --- | --- |
| Human factors Engineering | Cloud Computing |
| Statistics for EGR | Cognitive Systems Engineering |
| Object Oriented Programming | Data structures and Algorithms |

**DEVELOPMENT SKILLS**

|  |  |  |
| --- | --- | --- |
|  | beginner | skilled |
| Javascript / jQuery | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Java / J2EE | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| OSB / Xquery | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| SQL/ NoSQL | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Android | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Python | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Angularjs | Optical discOptical discOptical disc Optical discOptical discOptical disc | |

**DESIGN SKILLS**

|  |  |  |
| --- | --- | --- |
|  | beginner | skilled |
| Axure | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Balsamiq | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| HTML / CSS | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Bootstrap | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Microsoft Visio | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Photoshop | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
| Illustrator | Optical discOptical discOptical disc Optical discOptical discOptical disc | |
|  |  | |

**EDUCATION**

**Master of Science in Human Factors Engineering 2015 – Present**   
Emphasis in Human Computer Interaction

Wright State University, Dayton

**Bachelor of Engineering in Electronics and Instrumentation 2008 – 2012**Anna University, India