ABHISHEK BHAGWAT

Atlanta GA | 510-323-6181 | abhibha1994@berkeley.edu
www.linkedin.com/in/abhishek-sanjay-bhagwat | abhibhagwat111.wixsite.com/1994

PROFILE: A product designer with three years of experience working on digitalization product development projects.

EDUCATION

University of California, Berkeley   *Aug 2019 - May 2020*
Masters in Mechanical Engineering - Product Design (3.85/4)
Government College of Engineering Aurangabad, India   *Jul 2012 – Jun 2016*
Bachelor of Electronics and Telecommunication Engineering (3.89/4)

WORK EXPERIENCE

Siemens Inc, Harleysville**,** PA, USA - Solution Engineer   *Mar 2019 – Jun 2019*
- o Developed MES (Manufacturing Execution System) UI to monitor and record manufacturing process, integrate with Batch and ERP systems.
- o Analyzed and installed SIMATIC IT and Batch client-server architecture using Unified Architecture Foundation (UAF).
- o Successfully setup SIMATIC IT and ERP system communication to read/write process data.
- o Implemented user exits for custom UI like electronic signature, data entry and database access using C# and .NET

Siemens Ltd., Mumbai, India

- Project Engineer   *May 2017 – Mar 2019*
  - o Spearheaded two phases of MES project execution and directed system development, launch and production support.
  - o Responsible for product design strategy, time estimation and resource allocation.
  - o Achieved real-time integration of 50 Data Acquisition System tags and 8 SAP transactions into MES.
  - o Functioned as SME to create and validate GMP documentation and execute system qualification.
  - o Trained 5 new resources at Siemens and customer site on SIMATIC IT EBR.

- Graduate Trainee Engineer   *Jul 2016 – May 2017*
  - o Conducted Pre-Sales activities and successfully demoed fully functional MES at 5 clients across India.
  - o Trained on-job on PLC, HMI, SCADA, SIMATIC PCS7, SIMATIC IT EBR, Switch gears, AC/DC Drives and Motors.

TECHNICAL SKILLS

Skills: C, C++, C#, LabView, HTML, CSS, ASP.NET, javascript, json, jquery, bootstrap, Agile and waterfall methodologies, stakeholder management, WBS, Gantt chart, project network diagrams, risk analysis, 1:1 interviews, surveying, Affinity diagrams, weighted matrix, journey map, Pugh Chart, 2x2 positioning, Competitor analysis, Value Opportunity Analysis.
Tools: Oracle, SQL, Visual Studio, Bizagi, Visio, Solidworks, Asana, Smartsheet, Arduino, MATLAB, Eagle PCB.
Certifications: Project Management Professional (PMP), PMP – PMI, Lean Six Sigma White Belt
Courses taken: Human Centered Design, Critical Making, Design Evaluate and Scale Development, Marketing and Product Management, Project Management, Accounting and Finance, R&D and Technology management, Organizational Behavior and Negotiations, UX Research, Microprocessor based mechanical devices.

ACADEMIC PROJECTS

Object Detection and Discard System   *Mar 2020 – May 2020*
- o Developed LabView program using vision module to detect object based on color and shape.
- o Integrated LabView with PSoC microcontroller to control the pass/discard mechanical assembly for conveyor applications.

Safe and Affordable Fluoride Removal (SAFR) – Design and Scale Project   *Sep 2019 – Dec 2019*
- o Conducted 20 1:1 interviews, surveying, journey map, personas to gain user insights.
- o Performed impact evaluation, created Business Model Canvas and a business model for strategy to scale the project.
- o Oversaw the project to coordinate tasks and timelines.

Wearable Navigation Device for Visually Impaired   *Sep 2019 – Dec 2019*
- o Executed user research and defined product requirements based on interviews, surveys and design methods.
- o Brainstormed 75 concepts in a team and selected final concept applying design methods.
- o Assembled physical device by 3D printing a final product and performed user testing to measure KPIs, record user experience and define future design improvements.

Product Portfolio Expansion Project Management   *Oct 2019 – Nov 2019*
- o Developed B2B project plan, WBS, Gantt chart, project critical path, stakeholder analysis, finances and risk assessment.