Anand Doshi • Designer, Engineer

Portfolio • https://apd.is

WORK EXPERIENCE

Sr. Product Engineer • Plenty • 2018 – present
User research, design, and development of specialized user interfaces for understanding, analyzing, planning, and operating an automated hydroponic farm, through a software system built on sensors, actuators, big-data, and applied machine learning.

Design Intern • IBM Research • 2017
Designed and developed an interactive website for a non-profit organization, as part of IBM's Science for Social Good Initiative.

Research • Worked as a volunteer at the non-profit, observed operations, interviewed staff. Explored multiple design approaches.

Design • Prototyped the website experience through wire-frames and high-fidelity mockups using Sketch and InVision. Iterated on storyboards and content for the website based on the feedback from user testing.

Development • Used Python Flask, jQuery, Bootstrap, and the Operations Simulator API to develop interactive web-app.

Graduate Student Instructor • University of Michigan • 2016 – 2018
Instructed undergraduate and graduate students during lab sections in programming courses for 4 semesters. Created course content and assignments, graded multiple projects involving code, information visualization and reports, and provided ad-hoc guidance to students.

Full-Stack Engineer & CTO • Frappé Technologies • 2011 – 2016
Designed and developed Frappé: a web-application framework based on Python and JavaScript, and ERPNext: an open-source business platform.

Leadership • Spearheaded pricing tiers, cloud infrastructure, and security. Mentored new employees in the technology stack.

Design • Made sweeping changes and iterative improvements to the user interface of ERPNext over its first 7 versions. Enhanced user flows, content, interactivity, audio-visual feedback, and animations.

Development • Implemented meta-data driven layout with reactive UI components, transactional email system, analytics module, realtime notifications, permissions engine, and plugin architecture.

Cloud Infrastructure • Architected and developed Frappé Central: an automated system for deploying updates over distributed servers.

Systems Engineer • Infosys • 2009 – 2011
Upgraded a highly customized Customer Relations Management platform for a major enterprise. Integrated a new reporting and analytics system, and created new business intelligence dashboards.

EDUCATION

University of Michigan • 2018
Human-Computer Interaction
Master of Science in Information
Merit Scholarship

Mumbai University • 2009
Electronics & Telecommunication
Bachelor of Engineering
Graduated with Distinction

SKILLS

UX Research, Information Architecture, Interaction Design, Visual Design, Prototyping, HTML / CSS, JavaScript, Python, Java, React, Vue, jQuery, Arduino

SELECTED PROJECTS

SketchPad • an app that helps you to learn and practice sketching.

Babble • a location-based social network you can use to leave public messages at a location for strangers.

Musi • a foot-controlled recording device for musicians, to ease practice and collaboration.

Cocoon • a smart sleep mask that is comfortable, covers your ears, and gently wakes you up when it's time.

Lansinoh iOS App • Redesigning the companion app for a breast pump.

CONTACT ME

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