Anand Doshi • Designer, Engineer

Portfolio • https://apd.is

CONTACT ME

hello@apd.is
+1 (219) 561 3319
Github: @anandpdoshi
LinkedIn: anandpdoshi

WORK EXPERIENCE

Sr. Design Technologist • Plenty • 2018 – present

Designed and developed specialized interfaces for an automated hydroponic farm, through a software system built on sensors, actuators, big-data, applied machine learning, and micro-services.

Research • Collaborated with members of operations, management, and engineering teams to establish their needs and goals.

Design • Iterated on wireframes and high-fidelity interactive mockups for planning crop placement, scheduling environmental controls, and monitoring conditions in the farm.

Development • Implemented intuitive direct manipulation interfaces using React, Redux, and D3.js. Developed reliable back-end APIs in Java and Python to communicate with various micro-services.

Design Intern • IBM Research • 2017

Carried out contextual user research interviews, explored diverse concepts, created storyboards, and iteratively designed and developed an interactive website for a non-profit organization, as part of IBM's Science for Social Good Initiative.

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.

CTO & Full-Stack Engineer • 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, Redux, D3.js, jQuery, Processing, 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.