Aarthi Anbalagan

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EDUCATION

Brown University

Providence, RI	2016-2018
MS Computer Science	GPA: 3.75/4

Anna University

India	2005-2009
BS Information Technology	GPA:9.48/10

CERTIFICATIONS

- Azure Fundamentals – AZ900
- Azure AI – AI900
- Building Product Strategy
- Accessibility In Action
- Foundations of GE Leadership
- Fundamentals of Digital Marketing – Google.
- Product Strategy – Kellogg NorthWestern – Expected Oct 2021
- Business Analytics, Economics for Managers, and Financial Accounting – Harvard Business School – Expected Jan 2022

ACHIEVEMENTS

- Best outgoing student '09
- JN Tata Endowment Grant
- CRA-W Grad Cohort 2018
- Engineering Excellence award in GE.
- Indian Govt merit scholarship for high achievers.

HIGHLIGHTS

- 10 years of tech industry experience of which 3 years in azure cloud and 4+ years in healthcare. Currently a software engineer in azure on ADLS gen1.
- Led UI workflow component in GE's Seno Pristina mammography product from proof-of-concept inception to market release. This product diagnoses breast cancer and saves people's lives.
- Defined requirements from system to subsystem and mapped every requirement to test case for US FDA regulation. Executed failure modes analysis (FMEA) and subsequently defined new requirements for USFDA approval audit & compliance.
- Strong experience in UI/HCI research with quantitative & qualitative data synthesis in Brown U's HCI research lab under Prof. Jeff Huang.

EXPERIENCE

Microsoft, Software Engineer II

Dec 2018 - Present

- ADLS gen1 – own data insights, telemetry, and monitoring pipeline. SME for Geneva monitoring pipelines (logs, metrics, automation, action) across entire cosmos/ADLS.
- Gen1togen2 migration – built data insights pipeline for customers to project billing costs on gen1 to gen2 migration.
- Auto triage – converted a 1-line problem statement of improving on call experience
- Ideating, designing, developing, and testing auto triage and mitigation framework that triages 50% of incidents with 75% correctness automatically. Defined MVP and acceptance criteria for project completeness.
- Helped in building out monitoring and telemetry pipelines for ADLS gen1 in highly secure federal cloud.

Microsoft, Software Engineer

May 2018 – Dec 2018

- ADLS gen1 – given a 1-line problem statement, proactively resolved ambiguity with stakeholders, gained clarity and driven multiple teams/orgs with differing priorities to come together to refactor ADLS gen's monitoring pipeline that led to my first promotion in 5months with excellent feedback across org.
- Hack for good winner @Microsoft, 2018

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COURSES

- ◦ UI/UX Analysis & Design
- ◦ Data Science
- ◦ HCI
- ◦ Reading & Research in HCI and Data Science.
- ◦ Deep Learning
- ◦ Algorithms
- ◦ Industrial Economics

VOLUNTEERING:

- ◦ Forterra – Tree Planting
- ◦ since 2018
- ◦ Volunteer at Make a Wish Alaska and
- ◦ Washington since 2018.
- ◦ Director of communications since June 2021, Louisa May Alcott PTSA.

Brown University, Teaching Assistant

Aug 2017 – June 2018

- ▪ User interface analysis and design(cs1300) is a course taught by prof. Jeff Huang. Developed a/b experimentation testing and eye-tracking assignment writing a python server hosted on Heroku. Developed design prototypes using proto.io and Quant.ux lab. Other responsibilities include, holding hours, grading, clarifying student's doubts.

GE Digital, SW Engineer Intern

May 2017-Aug2017

- Implemented a PaaS service e2e achieving 90% test coverage.
- Integrated bitbucket with Jenkins and build continuous integration pipeline.
- Redesigned and implemented new UI as per GE's UX specifications.

Fidelity Investments, Research Assistant

Feb2017-May2017

Fidelity Learning Center is a site, which helps new and advanced investors learn more about financial investments, trading etc. As a student researcher, I worked with Prof. Jeff Huang in his HCI research group, in this project, which is a collaboration between Brown University and Fidelity investments. The project is to come up with interesting insights by integrating three different kinds of huge data from Fidelity – quantitative, qualitative and user feedback that are possible only by synthesizing these 3 types of data. Project details are NDA signed.

GE Healthcare, SWE -> Sr. SWE -> Systems Specialist

May2012-July2016

Developed excellent knowledge of Healthcare vertical from Development, Privacy, Compliance and Regulatory perspective, by extensively collaborating with teams in India, US, France and Qatar.

PDM(Patient Data Management) is the main user interface of GE Senographe Pristina, which is the latest Mammography product of GE Healthcare.

I led this PDM component end to end in this product and have gone through the complete life cycle from "Proof of Concept" to market release, facing clearance(510k approval from US FDA). I worked with a small team and designed, developed, verified and validated the PDM, owning it end to end, delivering all milestones on time with high quality. I performed FMEA(Failure Modes and Effects Analysis) working directly with Systems team in Buc, France, and , mitigating all risks for patient safety, thereby worked towards 510k approval from US FDA.I led PDM integration with other modules and collaborated extensively with Buc System team in User Formative testing and DICOM Connectivity testing.

Led and driven code/design reviews, planned time/resource estimates for various tasks in PDM, technically managed a small team of 2-3, assigned tasks, facilitated resolution by clearing technical impediments, discussing it with concerned stakeholders with quick turnaround time.