RISHABH ANAND

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EDUCATION

University of Illinois at Urbana Champaign
B.S. Electrical Engineering   *May 2020*

EXPERIENCE

Salesforce
Technical Program Manager Intern   *May'18 to Aug'18*
- Delivered four different projects from scratch by working across multiple cross-functional teams, understanding user needs of multiple stakeholders, industry products and practices, while prioritizing problems to be solved.
- Devised an Ethereum driven internal credit system for budgeting, thus creating accountability and visibility for spend on compute resources.
- Designed a multi-cloud monitoring strategy bringing monitoring services from multiple clouds (public and private) to one unified platform.
- Developed a framework and proof of concept for a Bots as a Notification and Control Service for site-reliability, improving response times to incidents.
- Defined success metrics and how they should be measured for private IaaS, along with a new Markov reward chain model to predict availability.

AARP (contracted by AllSource)
Voice Enabled Technology Development Intern II   *Aug'17 to Dec'17*
- Developed automation tools potentially reducing stress on tech support by 40%, with cost savings of around 30% and 24/7 availability, by leveraging the Microsoft Bot Platform developed on Azure, using Cognitive Services.
- Prototyped a proof of concept for the service in 2 weeks after ideation at the end of the summer and was thus asked to return.

Voice Enabled Technology Development Intern   *May'17 to Aug'17*
- Conceived and prototyped a project to solve isolation amongst elderly potentially driving impact for 38 million members by utilizing the Google Home platform, Dialogflow.com, Python, Flask, Twilio, and SQLite.

OTCR Consulting
Project Manager   *May'18 to Aug'18*
- Managed a team of 3 developers across the country to develop a new website for the firm, led the creative vision, design and functional needs and tech specs, while personally writing PHP scripts for applications.

Consultant   *Feb'17 to May'18*
- Overhauled the e-commerce operations of a B2B Fortune 500 by delivering a product strategy and tech implementation roadmap having analyzed the competitive landscape, industry best-practices and customer surveys.
- Developed a go-to-market strategy for an ad-tech startup which uses machine learning and big data for targeted marketing.

Illini Internet of Things Association
Founding President   *Jan'17 to Present*
- Founded the University's first IoT student organization with a co-founding team of 5, raising funds and support from Microsoft, Graybar and ReadWrite.
- Increased operational efficiencies and drove customer value for a Fortune 500 B2B by recommending use cases and process-flow charts for using Voice-Enabled Technologies across the company's value chain.
- Featured in the News-Gazette as the "youngest high-tech innovator" for starting the organization.

Juniper Networks
Intern   *Jun'15 to Jul'15*
- Drove down costs and increased conversions by recommending a new digital-first sales and marketing strategy
- Explored market opportunities by researching the Internet of Things and received an appraisal letter from the CTO

RELEVANT COURSEWORK

Past
Computer Systems and Programming • Data Structures • Foundations of Data Science • Analog Signal Processing • Probability with Engineering Applications • Tech Entrepreneurship - Creativity, Innovation, Vision • Introduction to Media Sales • Hoeft Technology and Management Seminar

Current
Photonic Devices • Digital Signal Processing • Digital Systems Laboratory

PUBLICATION

Internet of Things (IoT) the Next Big Revolution
International Journal of Advanced Technology in Engineering and Science   *Jan'16*

PROJECTS

Ask Eliza (Amazon Echo Skill)   *Jan'17 to Feb'17*
- Developed a skill using the Intel Edison to monitor the user's temperature and pulse
- Used the IBM Watson API to perform personality analyses and give feedback via email

First Iteration Autonomous Car *Aug'16 to Dec'16*
- Assembled and programmed an "autonomous" car, by mounting two ultrasonic sensors on a servo to sweep and map the are around the car to navigate an obstacle course intelligently

Emergency-Response Automation   *Dec'14*
- Theorized a 50% reduction in response time for ambulances by designing a system to automate emergency response by using Cell Tower Triangulation and GPS Enabled ambulances.
- Interning at the Indian Institute of Technology, developed a proof of concept proving the hypothesis using Python and Google Maps API.

SKILLS/FRAMEWORKS

Languages, Frameworks and Tools
Python • C • C++ • SQL • SystemVerilog • PHP • Tableau • GCP • AWS • Shell • Flask • Git • SVN

Project Management
Agile/Scrum • Project Scheduling and Discovery • Budgeting • Design Thinking • Six Sigma

AWARDS

GIIS Global Citizen Scholarship   *2014-2016*
- Scholarship worth 90,000SGD awarded to 6 Indians to complete their schooling, pursuing the international baccalaureate diploma in Singapore

Think Chicago-Chicago Ideas Week   *Oct'17*
- Proposed using predictive analytics to prepare families in the Chicago public school system for college expenses, with targeted budgeting, loan assistance and scholarships.
- One of 5 teams selected from 20 teams comprised of 200 top students from across the country as part of the civic tech challenge