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*
- Worked across multiple, cross-functional teams and delivered four different projects from scratch, understanding user needs of multiple stakeholders, industry products and practices, while prioritizing problems to be solved.
- Proposed an Ethereum driven internal credit system for budgeting, thus creating accountability and visibility for spend on compute resources.
- Designed a multi-cloud monitoring strategy by researching monitoring tools available for and across major public clouds.
- Developed a framework for a new Bots as a Notification and Control Service for site-reliability, eventually developing a rudimentary proof of concept for the service using GO, AWS SNS, API Gateway and the Slack API.
- 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 to reduce stress on tech support by leveraging the Microsoft Bot Platform developed on Azure, using Cognitive Services.
- Prototyped a proof of concept for the service in two 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 project to solve isolation amongst elderly driving impact for millions of members by utilizing the Google Home platform, built using Dialogflow.com, Python, Flask, Twilio, and SQLite.

OTCR Consulting
Project Manager   *May'18 to Aug'18*
- Managed a team of three developers based across the country for the full stack development of a new website for the firm by leading the development right from the creative vision, design and functional needs to design specifications, choice of stack, and personally writing PHP scripts for applications on the website.

Consultant   *Feb'17 to May'18*
- Overhauled 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

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 around the car to navigate an obstacle course intelligently

Wireless Keypad Bike Lock   *Aug'16 to Dec'16*
- Designed and assembled a circuit using ICs to build a binary authentication system with an IR based remote to implement a wireless bike lock

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

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

RELEVANT COURSEWORK

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

Current
Photonic Devices • Digital Signal Processing • Digital Systems Laboratory

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