Akul Santhosh

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EDUCATION

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY   Kochi, KL
Bachelor of Technology in Computer Science and Engineering   Expected May 2020
Cumulative GPA: 9.0 /10.0 (7th in class)

SREE NARAYANA PUBLIC SCHOOL   Kollam, KL
12th standard in Computer Mathematics CBSE   Spring 2020
Percentage: 89.2%

WORK AND RESEARCH EXPERIENCE

TREBUCHET   Kochi, KL
Cofounder   September 2018 – Present
- Implemented an AR e-commerce application for virtual trial of shoes - ARware.
- Devised a suitable B2B and B2C business models.
- Secured the Idea Day Grant of KSUM out of 1800 participating startups

WIPRO LIMITED   Kochi, KL
Research Intern for Industrial IoT Lab   June 2019 – July 2019
- Collaborated with senior research team to formulate a structure for integrating IoT devices into a semantic system.
- Designed JSON-LD based data structure for efficient distribution with minimal latency.
- Improved the accessibility of the system by incorporating conversational methods of interaction.

HINDUSTAN AERONAUTICS LIMITED   Bangalore, KA
Intern for Information Technology Division   May 2018 – June 2018
- Built system for condition monitoring of helicopters using Principal Component Analysis (PCA) and then by calculating Mahalanobis distance (MD).
- Attained 93% accuracy in prediction which reduced time to check by 2x.

PROJECTS

CONVERSATIONAL OS - CONVAI
- Implemented a cloud based operating system that works on simple voice commands.
- Built a template based system to generate UI.

INTELLIGENT PILL DISPENSER - PILLD
- Constructed a prototype for an AI based pill dispenser with Alexa integration.
- Illustrated a 3D animation to demonstrate the dispensing mechanism.

AUTOMATED CONVENIENCE STORE - NOQSTORE
- Revamped the Amazon Go model to work on cheaper components.
- Improved item detection module to work on various Indian products.

LEADERSHIP

PLACEMENT COORDINATOR
- Organized placement activities, job fairs, internship drives and coordinated with companies.

FOUNDER AT MAKE-A-TON
- Conceived and organized National level Hackathon for university students.
- Succeeded in securing sponsorship from top tech companies.

VOLUNTEER AT AWS COMMUNITY DAY
- Handled social media management, engagement with guests and coordinating live events.

VOLUNTEER AT KERALA FLOOD RELIEF
- Coordinated logistics in transporting and managing 5000 students to nearly 10000 affected homes.
- Special recognition from the Government of Kerala and one among the 14 students from Kerala to be awarded for the same.

CERTIFICATIONS AND AWARDS

- **Coursera 6QM69Q2M9VPM** - How Google does Machine Learning

- **Coursera Q35U2Q8X7S3Z** - Intro to Tensor Flow

- **Coursera ZE5KB7R4L8DR** - Launching into Machine Learning

- **NPTEL** - Programming in C++ (Top 2% in final examination)

- **NPTEL** - Design and Analysis of Algorithms

- **IBM Workshop** - Robotic Behavior Driven by Machine Learning

- **Eventor Workshop** - Android and React JS Application Workshop

- **Wipro IoT Hackathon** - Won First Prize for PillD

- **Pioneer.App** - Ranked in top 5 in the world for ARware

- Won numerous awards in various college competitions

REFERENCES

DR SHEENA MATHEW
- Relationship : Professor, Project Guide, Seminar Guide
- Ph no : +91 9446509508
- Email ID : sheenamathew@cusat.ac.in

DR SAM THOMAS
- Relationship : Director CITTIC, Mentor
- Ph no : +91 9846152127
- Email ID : sam@cusat.ac.in