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Sakshi

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• LinkedIn

• GitHub

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• Portfolio

EDUCATION

B.E in Computer Science and Engineering, Siddaganga Institute of Technology, GPA: 9.05/10.00

August 2016 — August 2020

EXPERIENCE

Software Consulting Engineer II

August 2020 — Present

Cisco Systems

Bangalore, India

- Working as a senior software engineer in the automation and orchestration team under the Customer Experience BU. Building network assurance solutions for Cisco's telecom customers, leveraging state-of-the-art algorithms for anomaly detection at scale. Built a critical component in Cisco's first telemetry based network assurance solution.
- Aided in developing MPLS backbone services for Bharti Airtel which is capable of carrying data across the globe using Cisco's Network Service Orchestration (NSO) tool.
- Contributing to AI R&D at Cisco.

INTERSHIPS

Technology Intern

January 2020 — June 2020

Cisco Systems

Bangalore, India

- Worked on building a VOIP (Voice Over IP) Traffic Analyzer to detect anomalous SIP messages using machine learning.

PROJECTS

Fake News Detection

March 2020

- Used machine learning and deep learning techniques to predict fake news on Social media.

Road Symbols Detection

September 2018

- Built an End-to-End system using Convolutional neural networks and IoT to classify extracted frames in real time app for tracking road symbols from a moving vehicle to display all the required information related to it so that to help the drivers to follow traffic rules and reduce possibilities of accidents.
- Worked on this project in Smart India Hackathon, aided by Govt. of India

Quiz Paper Generation

August 2019

- Used sql queries and angular to create a web-app to help faculties in college generate quiz papers, with a primary focus on generation of unique sets of quiz papers picked from a database.

SKILLS

Programming Python, Java, C, MySQL, HTML, CSS

Frameworks PyTorch, Keras, Tensorflow, Angular, Flask

Tools GIT, Android, Ansible, Rest API, Docker, Network Services Orchestrator (NSO)

Concepts Speech and Natural Language Processing, Software Development, Functional programming, Object- oriented programming, Machine Learning, Deep Learning, Image Processing

PUBLICATIONS (ACCEPTED & PENDING) AND PATENTS

1. Ghosh, S., **Sakshi** & Shah, R. R. Speech Toxicity Analysis: A New Spoken Language Processing Task. *Submitted to ICASSP* (2022).
2. **Sakshi** & Ghosh, S. Predicting the Stock Markets Using Neural Network with Auxiliary Input. *ICTCS* (2020).
3. Ghosh, S., **Sakshi** & Kataria, V. Multivariate Time-series Unsupervised Anomaly Detection in 5G networks. *Under US Patenting with Cisco* (2020).

AWARDS & HONORS

- 2020** Received recognition from CTO of Cisco for publishing a patent as one of the youngest employees to publish an US patent at Cisco
- 2018** KPIT Innovation Award in national level hackathon, SMART INDIA HACKATHON
- 2017** Winner in Choreography in Intercollege dance competition, Siddaganga Institute of Technology

RESPONSIBILITIES

- 2020-Present** Served as a mentor for students to bridge the gap between knowledge needed in the corporate world and college education to help them get placed in product/research based companies.
- 2017-20** Served as the Teaching Assistant for advanced algorithms and data structure courses at Computer Science and Engineering Department, Siddaganga Institute of Technology

EXTRA-CURRICULAR

- 2020** Received token of appreciation for volunteering in organizing numerous vocational teaching activities for helping underprivileged children, Lok Kala Parishad

CO-CURRICULAR AND HOBBIES

- Present** Active investor and trader in the stock markets. In-depth knowledge of fundamental and technical analysis of stocks.
- Present** Dance