

Sharvil Katariya

scorpionhiccup.github.io | linkedin.com/in/sharvilkatariya | github.com/scorpionhiccup
skatariya@cs.stonybrook.edu | (+1) 631-891-9818

EDUCATION

STONY BROOK UNIVERSITY

MS IN COMPUTER SCIENCE

Expected Dec 2021 | Stony Brook NY

IIIT HYDERABAD

B.TECH IN COMPUTER SCIENCE

Grad. 2017 | Hyderabad, India

Teaching Assistant: Software Engineering

PROJECTS

SEMANTIC ANNOTATION OF RESEARCH PAPERS

The goal was to annotate any research paper, based on ACM's classification tree.

WIKIPEDIA SEARCH ENGINE

Retrieve Wikipedia pages related to the query and order them according to relevance, with the help of a 2-Tier Index.

ULTIMATE TIC TAC TOE BOT

Designed a AI bot to play the Ultimate Tic-Tac-Toe Game.

SKILLS

LANGUAGES

Python • Java • C • C++ • Shell
Matlab • Scala • Ruby • \LaTeX
C • C++ • CSS • PHP • Assembly

FRAMEWORKS/TECHNOLOGY

Spark • Django • Android • Docker

COURSEWORK

GRADUATE

Natural Language Processing
Computer Vision
Data Science Fundamentals
Analysis of Algorithms

UNDERGRADUATE

Machine Learning
Information Retrieval & Extraction
Database Systems
Artificial Intelligence
Internet of Things
Complexity & Advanced Algorithm
Structured Systems Analysis & Design

EXPERIENCE

SAMSUNG | SENIOR SOFTWARE DEVELOPER

2017-2019 | Bengaluru, India

- Built a Generic Recommendation Platform, with a plug & play architecture for addition of any services.
- Devised short text classification models that are fast and lightweight to run on resource constrained devices.
- Improved the ML model accuracy by 7% & remodeled the preprocessing pipeline
- Published 3 Research Papers and filed 1 Patent, primarily based on the work.
- Mentored new members and interns on the work done by the team.

VMWARE | SOFTWARE ENGINEERING INTERN

May 2016 – Jul 2016 | Bengaluru, India

- Built a proximity based, cross-platform Smart TV solution, using web development architecture
- Architected an cloud-based solution as an extension to project's idea, for real-time analysis using Apache Spark Infrastructure.
- Chosen to work on Borathon (Annual Hackathon) winning project

PUBLICATION

ICOST CONFERENCE

Singapore | Jun 2018

A Personalized Health Recommendation System Based on Smartphone Calendar Events.

ICACCI CONFERENCE

Bengaluru, India | Sep 2018

Machine Learning for Secure Device Personalization Using Blockchain.

INDICON CONFERENCE

Coimbatore, India | Dec 2018

A Privacy Preserving Approach to Generating Personalized Recommendations Based on Short Text Classification

PATENT

SAMSUNG R&D, BENGALURU | PS: 201841015708

April, 2018 | Bengaluru, India

Method and system for providing secure device personalization in smart home using blockchain.

ACHIEVEMENTS

SPOT AWARD | SAMSUNG R&D, BENGALURU

Jul, 2018 | Bengaluru, India

Best Employee Award for the team.

WINNER - IOTX HACKATHON | DUBAI SMART GOVERNMENT

June, 2015 | Dubai, UAE

Secured First Place for Smart Waste Management System, an Internet of Things project, to help in Search and Rescue Mission in case of emergencies.

WINNER - GAME ON | FELICITY

Feb, 2015 | Hyderabad, India

Developed an interactive voice-based game, during College Festiv