

# SUBHAM THIRANI

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*Passionate software engineer dedicated to...PLACEHOLDER*

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## PROFESSIONAL EXPERIENCE

### Software Engineer, Wipro – Apple Account

[Dec 2020-till date]

- Responsible for Full stack internal Apple tools development using Spring Boot (Java) and Angular, used in NPI launches of iPhone, Mac etc.
- Built warmup tools and infra to run warmups in whole apple online store whenever required during new release and NPI, using Spring Boot (Java), Angular, Python, Shell scripting, AWS removing manual intervention of script runners by 100%
- Worked as Lead Software Developer, Full stack developer for the team building various internal apps, analysis tools, automation tools or doing any task as an when required by team(in a startup like team environment in this large organization)
- Automating various manual tasks by python, shell scripting reducing the manual work by 80%
- Shifting infrastructure from Apple On-prem setup of tools to AWS from scratch, reducing manual intervention by 90%
- Helped in building the whole controller client Architecture to help the performance team do Load Test, using AWS CloudFormation templates, Shell, Python, Docker, reducing manual intervention by 90% and cost by 60-70% (on req basis)
- Created and wrote python scripts to collect the whole data from various controllers and push in DB.
- Building various tools to analyze data from Load Test, using Angular and Spring Boot, giving a great overview to team and higher management
- Finding scripters in traffic and scripting stopping attack by machine learning reducing server req thus increasing the revenue
- Understanding of whole Apple Online store architecture having 150 plus apps ,4 prod environment.
- Building apps using confluence, slack API to reduce various manual task during NPI Launch and testing, Reducing manual work by 90%.
- Streamlined manual (excel) 100+ app server allocation process in AWS to application based, causing reduced manual work by 80-90%, also improving the analysis thus increasing the revenue.
- Presented the product to senior leadership and worked on feedback
- On various occasion like preparing tools for NPI led a cross functional team using scrum framework to plan sprints, discuss retrospectives and prioritize user stories and to efficiently manage backlogs

### Summer Intern, Hindustan National Glass & Industries Limited (Rishra, West Bengal, India)

[Summer' 19]

- Worked on Industrial Field Sensor and Industrial Instrumentation

## ACADEMIC DETAILS

Btech (Electronics and Comm.), VIT – Vellore, 2020 : CGPA 8.72/10

Class XII, CBSE – Maheshwari Public School, Kota : 8/10

Class X, ICSE – M.C.Kejriwal Vidyapeeth : 9.26/10

## ACHIEVEMENTS

- 2<sup>nd</sup> position in **HackBattle'19** hack conducted by IEEE Computer Society of India, VIT.
- 6<sup>th</sup> position in **CISCO IoT** hack conducted by IEEE Society, R.V. College of Engineering.

## PROJECTS UNDERTAKEN

- **Log Ingestor System and Query interface [2023]**
  - A log ingestor system that can efficiently handle vast volumes of log data, and offer a simple interface for querying this data using full-text search or specific field filters
  - Used Elasticsearch for the search engine and DB ,Spring Boot for the Backend and Thymeleaf for the UI
- **Creating equity, option buying, selling algos [2023]**
  - Creating Pine Script, Python algorithm.
  - Algo for different volatility days (events)
- **Option Open Interest (OI) Analysis Tool [2023]**
  - This tool fetched option chain data from broker.
  - Also used another version to fetch data from money control and automate it using App script in google sheets.
  - UI to visually track changes in Option OI over a period, was built in Appsmith .
  - Pinpointing strike at which option sellers were making positions when the market traded within a range.
- **Project Epione [2018]**
  - Hand Gesture Recognition in 3D using OpenCV
  - Click photo, Image Classification, Storage and File Transfer over the same network using gestures.
  - Regular ECG measurement and predict heart disease using regression.
- **Car Infotainment [2019]**
  - Automatic car rearview adjustment mirror.
  - Feature control by blink and gaze.
  - Drowsiness detection, attention detection.
  - Car parking assistant with obstacle avoidance.
- **IRIS Controlled Wheelchair [2019]**
  - Wheelchair controlled by IRIS movement.
  - Backup by Hand Gesture Movement.
  - SOS system setup in case of emergency.
- **Lung Function measure by mobile app. [2019]**
  - Lung function measurement by exhalation.
  - Signal processing for feature extraction and Regression for predicting.

## TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, Dart
- **Development:** Machine Learning, Computer Vision, Full Stack Development (Angular, Spring Boot, HTML5, CSS, Bootstrap4, JavaScript, jQuery, Node.js, MongoDB), Flutter.
- **DevOps:** AWS, Nginx, Docker, Kubernetes, Jenkins, Ansible, Terraform
- **Hardware:** Arduino, Raspberry Pi, Sensor modules.

## RELEVANT COURSES

- Data Structures and Algorithms, Operating System, Database Management System, Probability

## POSITIONS OF RESPONSIBILITY

- Technical Head, The Electronics Club – VIT (Technical Club) for 2018-2019.

## EXTRA CURRICULAR ACTIVITIES

- Coordinator of National event, SENSORED, conducted in Gravitass'18 at VIT Vellore.