



# ARMAAN SAIT

*Bachelor Of Engineering - Computer Science*

## ALL ABOUT ME

Seeking a Challenging Opportunity with an Esteem Organization where I can deliver expected targets, leading a Team of Skilled Professionals to achieve Company Objectives and goals.

Interested in Mastering new Technologies and finding solutions in Complex situations.

## CORE SKILLS

- Data Analytics (Spark, Hive)
- Data Structures
- Data Orchestration
- Good in Problem-Solving skills
- Cloud Computing (AWS, GCP)
- Coding and Debugging
- Web development
- Dedicated effort
- Management skills
- Database management systems

## CODING LANGUAGES

- Python
- C programming
- JAVA
- SQL
- MATLAB
- HTML / CSS / JS
- SAS Programming
- Terraform / CFT
- Jenkins (CI/CD)

## EDUCATION BACKGROUND

### NORTHEASTERN UNIVERSITY, MA, USA

#### **M.S COMPUTER SCIENCE, 2023 - present**

- Awarded Merit Scholarship under the Alford Scholars Initiative for Academic/Co-Curricular merit in undergrad.

### KUMARAGURU COLLEGE OF TECHNOLOGY, CBE, INDIA

#### **B.E COMPUTER SCIENCE, 2017 - 2021**

- Cumulative GPA: **9.62** / 10; Academic Merit Scholarship Holder; Gold Medalist;
- I have won The Mahatma Gandhi Scholarship award recognized by the college for Outstanding Performance, consecutively for the past 4 years. (2017 – 2021).

### CRESCENT CASTLE PUBLIC SCHOOL, OOTY, INDIA

#### **HIGHER SECONDARY SCHOOL, 2015 - 2017**

- Accredited with Academic Honors - **95 %**
- Physics, Chemistry, Computer, English & Mathematics
- Vice-President, 2012, Math's Club.
- Awarded the Merit Scholarship from Needle Industries, Pvt Ltd, India
- Bestowed the Academic Scholarship from Cutchi Memon Jamath, Nilgiris.

## WORK EXPERIENCE

### **TIGER ANALYTICS PVT LTD, Jan 2021 - Dec 2022**

#### **SENIOR SOFTWARE ENGINEER, July 2022 - Dec 2022**

- Lead a team to orchestrate a pipeline to consume publicly available datasets ([Clinical Trials-Daily](#)), as well as internal data assets stored in SharePoint and S3, in order to ingest, transform, and publish the data in Redshift for efficient automated data consumption for Qlik Dashboards to generate reports and insights. Amount of time and effort required to complete this analysis was reduced by 80%. A single source of truth for launch dates, aided in the prediction of brand share, event impact analysis, competitor insights, efficient portfolio analysis & forecasting at scale. Schema fallback approach and A/B switch reduced the downtime.
- Designed, Built & Deployed an automated scalable brand agnostic generic config-driven pipeline to consume & standardize data from multiple vendors across various methods like SFTP, S3, MFTP & Redshift Data Share across brands. AWS Deequ was leveraged to perform various checks on the data. Engineered SNS to Email & Teams-Channel for Failure & monthly updates. Reduced manual effort from 2 weeks to 1 hour.

#### **SOFTWARE ENGINEER - DATA ENGINEER, July 2021 - June 2022**

- Designed & Implemented a Promotional Activity Data Hub through automation of 31 data Ingestion sources & Feature Engineered for Consumer & Practitioner data, reducing Data Preparation time from 2 months to < 1 day for Market Mix Modelling across 20 products on a monthly basis. This is used to build models to determine sales response curves, the impact of each promotion on sales, & ad saturation points. Built using serverless applications on AWS like PySpark, Glue, Redshift, Lambda, Sfn, Cft, S3, SNS, EventBridge, and API.
- Architected and Developed an end-to-end solution to process digital engagement data for Budget Optimization across various promotional channels for profit maximization and identifying the best promotion mix that best aligns with business strategy. Ingested sales data, traditional, and digital promotions and also took into account various internal and external factors like market and competitive landscape changes to help define digital engagement strategies, engagement segments, and journeys.

#### **DATA ENGINEERING INTERN, Jan 2021 - July 2021**

- Worked on PySpark and Databricks. Analyzed the given dataset & Performed an EDA on it. Presented a Case study projecting various recursive patterns in the dataset over the years and used Tableau Public to create a dashboard. Visualized & Presented those insights and patterns discovered.

### **NEEDLE INDUSTRIES INDIA PVT LTD, Dec 2019**

#### **WEB DEVELOPMENT INTERN, Dec 2019**

- Created a website using Django and retrieved data from Oracle, based on user needs on separate utility screens, which helped the company to visualize data at different levels.
- Developed Functions and Triggers in Oracle Database used to generate multiple Monthly reports for various departments.

## LANGUAGES KNOWN

- English
- Urdu
- Hindi
- Tamil
- French

## HOBBIES

- Cycling
- Body Building
- Playing Chess/ Carrom

## CONTACT INFO



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18th October 1999



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## ADDITIONAL DETAILS



## MINI PROJECTS

### • **POLLUTION CONTROL IN TEXTILE INDUSTRIES**

The device was built leveraging an Arduino, Motor to keep a constant check on the air pollution level in textile industries. **LINK:** <https://github.com/Icyfire18/PollutionControl>

### • **Agri-Image Processing**

It is a trained model using MATLAB which is used to classify whether the given tomato is ripe or not. Further, It also indicates whether it has been spoilt. It Standardizes the image using Gaussian Filter, background color, Resize and various measurements including PSR, MSE, SNR.

**Link:** <https://github.com/Icyfire18/Agri-Image-Processing>

### • **Recognizing Faces in the Wild**

It is a trained model using Tensor Flow deep learning to easily classify two images and tell us if the people in those two images are related or not. This uses OpenCV in the background to compare the similarities in the facial features and group them on it.

### • **Crime Reporting App**

The Application is an interactive mobile-based Crime Reporting System (CMS) integrated with map features to facilitate tracking of location information of the place of crime. The application can be used by the Public, Police Officials, and Intelligence Authorities with different levels of access provisions and functionalities supporting the investigation. Participated in CSI-InApp National Student Project Awards. **Link:** <https://github.com/Icyfire18/CrimeReporterApp>

### • **Malware Detection Using Deep Learning**

It is a trained model using Tensor Flow Deep Learning to detect and Classify various types of Android Malware as benign or scan the destination IP in the TCP layer itself and alert the user to a specific type of malware. A robust model which also autodetects the unprecedented data.

**Link:** <https://github.com/Icyfire18/Malware>

## PRESENTATIONS AND WORKSHOPS

- Published a Paper in the **International Journal Of Aquatic Sciences** on Interactive Mobile Based Crime Reporting System Integrated With Map Feature And Exploratory Data Analysis. Link: [Research Paper](#)
- Presented a paper on Big Data Technologies at a Conference held at PSG Institute of Technology and Applied Research, Coimbatore.
- Attended Salesforce Administrator ADX 201 Hands-on Training at Kumaraguru College of Technology by ICT Academy.
- Participated in I-START, A Design Thinking Immersion Program at FORGE Factory, Coimbatore.
- Attended a workshop on Ethical Hacking at BITS-PILANI, Hyderabad
- Presented a paper on **Detection and Classification Of Malware** at IEEE.
- Conducted Multiple Workshops on Git & GitHub (Version Control System).
- Developed and promoted Agricultural Processes, Products and handicrafts during in AICTE Regional level Chhatra Vishwakarma Awards

## ACCOMPLISHMENTS

- **President** - Department Association of Computer Science and Information Science Engineering - KCT (2020-2021).
- **Executive** member of the Leadership Council - KCT.
- **Best Innovative award** in Yugam India Ideathon.
- Won the **Student Enterprise Ideathon** award.
- **Campus Ambassador** at **GeeksForGeeks** (2020 - 2021).
- **Certification** in Data Science, Machine learning and multiple other courses on Coursera.
- **Vice President** of Soil Club, (2020-2021), KCT.
- **Treasurer** of Soil Club, (2019-2020), KCT.
- **Treasurer** of DA - Computer Science, (2019-2020), KCT.
- Google IT Support **Professional Certificate - Google 2020**
- **BEST VOLUNTEER AWARDS** - ( DA Computer Science & KCT Soil Club)

## DECLARATION

The details furnished above are true to the best of my knowledge and belief.

Place: Ootacamund

Armaan Sait