

# Pranay Bomma

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## Experience

### Software Engineer

August 2021 – Present

SS&C Technologies

Hyderabad, India

- Working on **production** stories, bugs & business feedback items using **Angular & Spring** framework in **SalesConnect 2.0** product. Doing impact analysis, peer code reviews, and triggering code deployment to lower & higher environments.
- Developing the **UI & API** by adding new functionalities to existing features, debugging existing code & fixing bugs.
- Developed an Automation suite of **50+ scenarios & reduced manual sanity testing effort** time by many folds.
- Contributing to the backend by creating/updating REST APIs, and debugging the code using **Spring** framework.
- Helping QA team in Regression & Sanity testing using Automation suite before deployment to higher environments.

## Projects

### Analyzing Air Quality in Gurugram using Machine Learning

March 2023 – May 2023

Python, Scikit-learn, Matplotlib, Plotly | [Certificate](#)

Omdena Gurugram Local Chapter

- Collaborated with **Omdena**, worked with people across the globe, and **led the team of 5 people** in Data Collection, Exploratory Data Analysis, Model Training & Project Documentation.
- Collected the data from 4 stations in Gurugram & Government websites like CPCB, data.gov.in etc. Cleaned, transformed & processed the data using **NumPy & Pandas libraries**.
- Imputed missing values station-wise using `bfill()`, `ffill()` methods.
- Trained multiple models to predict **Air Quality Index (AQI)** without using average-24 hour data.
- Performed Exploratory Data Analysis & Data Visualization using Pandas, Matplotlib, Seaborn, and Plotly.
- Trained the model on various regression algorithms using **Scikit-learn** and performed **Hyper-parameter Tuning** along with Grid-search CV method & found the best parameters.
- Deployed the app using Heroku, documented the project, and created a presentation.

### Practice Abacus Online

August 2021 – January 2022

Bootstrap, JavaScript, SpeechSynthesis | [PracticeAbacusOnline.com](https://PracticeAbacusOnline.com) | [Demo video](#)

- A **responsive** website **designed, developed & deployed** for practicing **Abacus** (Math Tool) online & downloading practice sheets for free.
- An **innovative solution** that replaces the old-school way of learning & practicing Abacus by introducing new ways to hone Abacus skills.
- The website is currently used by **1000+ users monthly across the globe** & received great feedback from users.
- Used Bootstrap, Vanilla JavaScript, Particle JS, Hover CSS, JsPdf, SpeechSynthesis, and other JavaScript libraries. Applied **latest design trends** like Glassmorphism, Dark Mode, Animations, Responsive, Gradients, etc.
- Developed **16 pages** with many features & customization options.

## Internships

### Software Engineer Intern

January 2021 – July 2021

SS&C Technologies | [Certificate](#)

Hyderabad, India

- Worked on the **Protractor framework** and tested Angular screens by writing automation scripts for around **20 scenarios** using JavaScript and Gherkin programming languages.
- Developed a utility called **Random Data Generator** which generates meaningful random data, stores it, and, utilized by the Automation scripts to pass the test scenarios.
- Developed the UI & solved business feedback items using the Angular framework.

## Education

### MVSR Engineering College - 8.59 CGPA

B.E in Computer Science and Engineering

Hyderabad, India

August 2017 – July 2021

### Sri Chaitanya Junior College - 98.3%

Maths, Physics & Chemistry

Hyderabad, India

June 2015 – May 2017

### St. Adams High School - 9.7 CGPA

Hyderabad, India

March 2015

## Achievements

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- **Highest rank of 2143** out of 283,137 people in Kaggle Notebooks section - World's largest Data Science community.
- **Highest rank of 622** out of 348,199 people in Kaggle Discussion section.
- Secured **All India Rank 660** in TCS Codevita Round 1 among **185000+** participants.
- Among the **top 7% performers** in **Infosys HackWithInfy** Coding Round 2.
- Scored **1417/1800** in TCS NQT.

## Technical Skills

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**Languages:** Python, Java, SQL (Postgres), JavaScript, HTML/CSS

**Data Science & Mathematics:** Exploratory Data Analysis, Supervised learning, Ensemble learning, Unsupervised learning, Data Visualization, Feature engineering, Model training, Probability, Statistics

**Frameworks:** Angular, Spring, Bootstrap

**Tools:** Jupyter, Git, VS Code, PyCharm, IntelliJ, DBeaver

**Python libraries:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn

## Coding Profile

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**CodeChef:** 1605 ( Three-star )

**InterviewBit:** A score of 9976

**HackerRank:** 5 stars in problem-solving

## Awards

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- \* Honored by former **President of India** Mrs.Pratibha Patil in Rashtrapati Bhavan.
- \* **State 1st** in Abacus Competition, 2011.
- \* Won five competitions in various **International and National** Level Abacus competitions.
- \* Special appreciation award in National Science Day Celebrations held at our college.