Swastik Somani
Machine Learning Engineer

- 91 7976794152
- somaniswastik@gmail.com
- Bengaluru, IN
- in swastiksomani
- swastiksomani

KEY SKILLS

- **Machine Learning Algorithm**
- **Optimization Techniques**
- **Predictive Modeling**
- **Statistical Modeling**
- **Sentiment Analysis**
- **Data Analysis**
- **Data Visualization**
- **Programming**
- **Debugging**
- **Model Development.**

TECHNICAL SKILLS

- **Languages**: Python, Java, HTML, JavaScript, CSS
- **Statistics/ML**: Linear/Logistic Regression, SVM ,Tree Models, Ensemble Trees Models.
- **Libraries&Framework:** TensorFlow, Keras, Sci-kit Learn OpenCV, Pandas, Numpy, RASA
- **Deep Learning**: ANN, CNN, RNN, LSTM
- **Cloud Computing:** AWS, EC2, Sagemaker
- **Database**: SQL

EXTRA- CURRICULAR

- **Face Recognition** Using **TensorFlow Pre-Trained** Model & **OpenCV** Blog on **Medium**.
- Participated in the **Rajasthan Digifest** 2017 event **RAJASTHAN HACKATHON 2.0.**
- Attended **NCETCE-2016** Nation Workshop on **Android Application** at college.
- Participated in **IIT Bombay's** Techfest event **QUANTUM CODE**.
- Attended **National Workshop** on **Cyber Security and Forensics** at college.
- **Certified** By RAT(Road Ahead Technologies) in **Core JAVA, JSP, Android,Oracle SQL.**

PROFESSIONAL EXPERIENCE

Machine Learning Engineer
ACCION LABS

Dec '18 - Present
Bengaluru, IN

- Developed a **Face Recognition** model using **Pre-trained Facenet** model **Keras, OpenCV.**
- Apply Various type of **Image Processing techniques** which convert an image into a form suitable for further analysis.
- Developed and run experiments to advance **machine learning** understanding and **techniques.**
- Responsible for **training the algorithms** that can be applied to **future data sets** and provide the appropriate **recommendations in real time**.
- Deploy the **ML model** into **AWS Server** and created **restful API** using **Flask**.

Automation Tester
NAV

Jan '18 - Jul '18
Jaipur, IN

- Inspected and modification of **automation scripts** for a new Testing Automation Platform using **CodedUI** tool.
- Customised **test cases** and execute all types of **testing** (functional, integration, end-to-end).

EDUCATION

PG Diploma in Machine Learning and AI
IIIT Bangalore

Mar '20 - Apr '21
Bangalore, IN

Major GPA: 4.0, Cumulative GPA: 3.5.
Courses: Advanced & Statistical Machine Learning, Deep Learning, Natural Language Processing, Reinforcement Learning.

B.Tech In Information Technology
SKIT Jaipur

Aug '14 - Apr '18
Jaipur, IN

Courses: Database Management System, Data Structures & Algorithms, Operating System, Computer Network.

DATA SCIENCE PROJECTS

- **Sentiment Based Product Recommendation System | Tech Stack: NLP, Python**
  - Objective: Build a Product **Recommendation System** with **Sentiment Analysis** model and deploy the model in **Heroku**.
- **House Prices In Bengaluru(Top 1%) | Tech Stack: Python**
  - Objective: Build a **regression model** to **predict** the **price** of **houses** in **Bengaluru**.
  - Key Achievement: Developed a **model** with **score** of **0.87075** in a **leaderboard**.
- **Stock Price Prediction | Tech Stack: Python**
  - Objective: Aim of this Project is to **predict** the **price** of the **stock** of **Apple company**.
  - Solution: Designed **LSTM model** to predict the price of the stock.
- **Price Of Flight Ticket(Top 2%) | Tech Stack: Python**
  - Objective: Build a **regression model** to predict the **price** of **flight tickets**.
  - Key Achievement: Developed a model with **score** of **0.94558** in a **leaderboard**.
- **Chatbot | Tech Stack: Python, Rasa**
  - Objective: Build a **conversational bot** (chatbot) which can help **users discover restaurants** across several **Indian cities** using **Rasa**.

.