

## Saikiran Mandula

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### OBJECTIVE

Strong expertise in ML algorithms, SQL, and mathematical concepts, demonstrated through successful projects that harness data for actionable insights and problem-solving.

### WORK EXPERIENCE

**NAGARRO SOFTWARE PVT. LTD | Delhi, India**

**May 2021 – Dec 2022**

#### *Software Engineer*

- Collaborated with team to analyze system solutions based on client requirements.
- Supported supply chain teams through post hoc analysis by creating and implementing forecasting models using statistical methods, Tableau, and python. These models facilitated data-driven strategic planning, optimizing investment decisions and maximizing return.
- Identified, analyzed and interpreted trends in complex data sets using supervised and unsupervised learning techniques.

**Adobe | GNI, Hyderabad, India**

**October 2019 – December 2021**

#### *IOT Intern*

- Successfully developed smart home models using Internet of Things.
- Developed a Black Line Follow Robot using IR wave and Image Detection

**SmartBridge in collaboration with IBM | Hyderabad, India**

**May 2019 – August 2019**

#### *Machine Learning Intern*

- Built data Ingestion pipelines to perform sales and customer analysis of clients using Python, SQL, and Machine Learning.
- Developed a solid understanding of statistics and probability.

### EDUCATION

**University of Maryland Baltimore County, USA**

Master of Science in Data Science **GPA: 3.90/4.0**

**Guru Nanak University, Hyderabad, India**

Bachelor of Engineering in Electronics and Communications **GPA: 8.2/10.0**

### TECHNICAL SKILLS

**Languages:** Python, C, Java, JavaScript, Php, HTML, CSS.

**Cloud:** AWS

**Libraries and Frameworks:** Pandas, Scikit-Learn, seaborn, matplotlib, React Js.

**Tools:** Power Bi, Tableau, GIT, JIRA, Confluence.

**Database:** MySQL, PostgreSQL

**Areas of Expertise:** Probability, Statistics, Hypothesis testing, T-tests, A/B Testing, NLP, Machine Learning, CI/CD Pipeline, Data Warehousing, Predictive Modeling, Optimization Analytics.

### PROJECTS

#### **Flight Fare Prediction**

- Implemented a flight fare prediction system using machine learning, enabling users to monitor and book flights when fares are low.

#### **College Journals Website**

- Developed a website for my college using HTML, CSS, JavaScript, and Bootstrap, providing a user-friendly platform for accessing and browsing academic journals and publications.

#### **Movie Ticket Booking System**

- Developed a feature-rich movie ticket booking website using ASP.NET, Angular, and SQLite.
- Designed and implemented an intuitive front-end interface using Angular for seamless ticket booking.
- Built a secure back-end system with ASP.NET, handling user authentication, sessions, and payments.
- Integrated SQLite for efficient data management and storage.

### CERTIFICATIONS

- **Introduction to Data Science in Python** (Certified by Christopher Brooks from University of Michigan).
- **Neural Networks and Deep Learning** (Certified by Andrew Ng from DeepLearning.AI).
- **Machine Learning with Python & IBM Watson** (Certified by Nagarjuna Madluri from SmartBridge).

### ONLINE PROFILES

- **GitHub:** <https://github.com/saikiran888>
- **HackerRank:** <https://www.hackerrank.com/saikiranmandula1>
- **LeetCode:** <https://leetcode.com/saikiranmandula1998/>