

# SIDDHARTH PRAKASH

PES University, Bangalore  
[Email](#) — [LinkedIn](#) — [Github](#)

## OBJECTIVE

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Motivated Computer Science Engineering student seeking an entry-level internship or full-time role in software development, web development or data analytics. Eager to apply skills and knowledge to make a positive impact while gaining valuable industry experience.

## EXPERIENCE

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### Intern, Sahai India

Apr - May 2023

- Achieved 10% Instagram growth through hashtag optimization.
- Developed LinkedIn strategy, increasing website traffic by 20%.

### Intern, LogoJech Technologies

Jun - Jul 2023

Received recognition for outstanding performance during a 2-month internship focusing on "Employing Artificial Intelligence in Facial Recognition Systems."

#### *Key Tasks:*

- Evaluated algorithms/models for Facial Recognition, considering accuracy, speed, and scalability.
- Implemented a facial recognition system using OpenCV and d-lib libraries, showcasing advanced Python skills.
- Developed algorithms to detect facial landmarks and isolate faces from images and video streams.
- Designed and implemented a face-liveness check feature on Android applications.
- Integrated the facial recognition model with AWS DynamoDB for efficient data storage and retrieval.

### Project Research Associate, Sports Technology And Analytics Research Centre

June 2023 - Aug 2023

#### *Key Highlights:*

- Applied Monte Carlo simulation and machine learning for football match prediction and strategy optimization.
- Analyzed the European Soccer Database with +25,000 matches and +10,000 players across 11 countries.
- Preprocessed data, engineered features, and performed correlation and residual analysis.
- Developed a multilevel Bayesian model using TensorFlow to estimate team strengths based on match details.
- Contributed to a user interface for data exploration, match outcome analysis, and strategy insights.

## PROJECTS

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**Gym Equipment Identification & Exercise Recommendation System:** Developed a system that identifies gym equipment by utilizing a CNN model, achieving an accuracy of 92% in equipment identification. The system then suggests personalized exercise routines based on the identified equipment. [GitHub](#)

**Text-To-Image Generator:** Web app generating images from text using OpenAI API. [GitHub](#)

**Question And Answer Model:** This uses the Hugging Face library 'deepset/bert-base-cased-squad2' for a question answer model. [GitHub](#)

**MLTrader: A Machine Learning Trading Bot:** Developed an automated trading bot using FinBERT for sentiment analysis of financial news, executing trades on Alpaca, and backtesting strategies with Yahoo Finance. Implemented risk management strategies, enhancing trading accuracy and performance. [GitHub](#)

**ImageClassification:** Using ANN and CNN on the CIFAR-10 dataset achieved precision of 59% and 80%. [GitHub](#)

**Mnist-Gan** :This uses a gan model to generate numbers which are obtained from the mnist dataset. accuracy.[GitHub](#)

**Text-To-Image Generator:** Web app generating images from text using OpenAI API. [GitHub](#)

**Drum-Kit Simulation:** Developed drum kit simulation using HTML, CSS, and JavaScript.

**IOT Project:** Collaborated on IoT-based home automation system. [GitHub](#)

**Weather App:** A weather app that provides current weather conditions for a specified city using API data.It has Search functionality, error handling, weather details including temperature, humidity, wind speed, and weather icon.I made it using HTML, CSS, JavaScript. [GitHub](#)

## SKILLS

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|                      |   |
|----------------------|---|
| Languages            | C, C++, Java, SQL, HTML, CSS, Javascript, Python3.0                           |
| Business Development | Marketing ,Sponsorship ,Strategy , Finance                                    |
| Libraries            | Tensorflow2.0,Scikit-Learn, NumPy, Pandas, Keras,React.js, Node.js,Matplotlib |
| Tools                | Docker, Kubernetes, Git, GitHub, Jenkins, AWS                                 |
| Soft Skills          | Leadership, Organizational, Problem-solving                                   |

## EXTRACURRICULAR ACTIVITIES

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- Project Research Associate [STARC](#) - Sports analytics using Monte Carlo simulations.
- Head Of Sponsorship & Marketing [MAAYA](#) - Landed sponsorships for the college fest.
- Head Of Sponsorship and Marketing [SHUNYA](#)

## EDUCATION

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| Bachelor Of Computer Science, PES University | 2021-2025   |
| High School, SVC                             | 2019 - 2021 |

## CERTIFICATES

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- Hackerank Problem Solving (Intermediate) [Certificate](#)
- LFD103: A Beginner's Guide to Linux Kernel Development [Certificate](#)
- Hacktoberfest 2022: Level 4 [Badge](#)
- Supervised Machine Learning: Regression and Classification [Certificate](#)
- AWS Educate Getting Started with Serverless [Certificate](#)
- AWS Educate Getting Started with Networking [Certificate](#)
- AWS Educate Getting Started with Compute [Certificate](#)