SHUBHAM SUNIL MANDHARE

Address: "Shubh-Aishwary", chinchwad, Pune, Maharashtra, 411033, India	**Email:** shubham.mandhare107@gmail.com **Mobile No:** 9130203066

OBJECTIVE

Impelled by the ideology of technological advancements that profit the industry and help enhance the environment we are living in. Pursuing Masters in Information Systems is something that I am passionate about as I am always looking to blend my technical and management skills together and transform organization through technology for better, effective and efficient functioning.

EDUCATION

1. **Bachelor of Engineering:** Computer Engineering
   College Name: Pimpri Chinchwad College of Engineering (PCCOE); Pune University
   Current Aggregate: 8.23/10

Year	Semester	GPA	Class
1st (2016-2017)	I	8.72	Distinction
	II	8.32	Distinction
2nd (2017-2018)	III	8.12	Distinction
	IV	7.56	First Class
3rd (2018-2019)	V	8.09	Distinction
	VI	8.57	Distinction
4th (2019-2020)	VII	On going	-
	VIII	-	-

2. **Higher Secondary Certificate:**
   College Name: St. Ursula Higher Secondary;   **Board:** Maharashtra State Board
   Aggregate: 74.67%   **Class:** I

3. **Secondary School Certificate:**
   School Name: St. Ursula High School;   **Board:** Maharashtra State Board
   Aggregate: 91%   **Class:** Distinction

PROJECTS

- **FINAL YEAR PROJECT** (2019-2020):
  Title: Automated Melanoma Recognition using Dermoscopy Images
  Details: Seven machine learning algorithms with an ensemble combination were used for melanoma skin cancer identification using dermoscopy images. Three color spaces - RGB, LUV and YCbCr are considered for computation with feature level fusion. The performance of the proposed technique with 432 different possible variations is done using accuracy, sensitivity and specificity with the help of WEKA software. Feature extraction algorithms like BTC and TSBTC were used which were coded using python programming language.

- **OTHER PROJECTS:**
  1) **Title:** Home Automation - using Raspberry Pi; (Jun 2018)
     Details: Developed a miniature model of home automation using Camera Serial Interface and sensors like RFID, motion, temperature, moisture, motor driver etc. Full backend support was provided using MYSQL. a system with a seamless integration of hardware and comprehensive software was built that was able to control the household appliances effectively. I was responsible for programming of the hardware components using python to help the user interaction with the machine effectively.

  2) **Title:** Data Analytics - Prediction of skin cancer; (Aug 2019)
     Details: A labelled dataset of 400 images were read and all the necessary preprocessing steps were performed on it for data cleaning. Different Machine Learning algorithms were used to build models for training and testing. The output was a prediction based on the input image provided which would classify it as benign or malignant accordingly.

3) **Title:** Website for Tours and Travel (Aug 2019)
   Details: A website for tours and travels was built and tested using software tools like Selenium and Junit for getting a deeper understanding of Web Development and Software Testing and Quality Assurance courses.

TECHNICAL PAPER

- **Journal Name:** Journal of Experimental & Theoretical Artificial Intelligence'
  Paper Title: Melanoma Skin Cancer Identification with Amalgamated TSBTC and BTC Color Features using Ensemble of Machine Learning Algorithms
  Paper Type: Review

COMPUTER SKILLS

- **Operating System**: Windows 10, Linux - 18.04
- **Languages**: C, C++, PYTHON, JAVA, HTML, CSS, JAVASCRIPT, JQUERY, PHP (Basic)
- **Database**: SQL, MySQL
- **Application Software**: MS OFFICE
- **Hardware:** Raspberry Pi, Arduino, NodeMCU

CO-CURRICULAR ACTIVITIES

- Certification of "Certified Internet of Things Professional" from Techno Scripts Institute (April – lune 2018)
- Certification of "Internet of things" from Indian Institute of Technology (IIT) Kharagpur, NPTEL (August 2018)
- Certification of "Machine Learning using python programming" (August 2017)
- Technical Team Head of TEDxPCCOE (February 2018)
- Overall Coordination head of KPIT Sparkle 2018
- Publicity and Marketing Head of TECHLLIGENT [National level technical symposium], (March 2018)
- Management Committee - IEEE and ICCUBEA International Conference, (2017-2018)
- Vice President of Computer Engineering Students Association (CESA 2018-2019)
- Vice Chairperson of the Association for Computing Machinery (ACM)'s Student Chapter of PCCOE (2018-2019).
  - Organized workshop for 150+ students on IOT.
  - Organized HOUR OF CODE activity for students aged 8-14 years and taught them the basics of python programming.

EXTRA CURRICULAR ACTIVITIES

- A school and college level football player, (2011-2014)
- Won third place in 11th Inter Do-Jo Kumite Competition (Karate Competition) (2010)
- Awarded in inter school level sports (Badminton, Basketball, Football and volleyball) competitions.
- Active member of Non-Government Organization (NGO) - Astitva

PERSONAL DETAILS

Name: Shubham Sunil Mandhare
Date of Birth: 1st June 1998
Languages Known: English, Hindi, Marathi
Passport Number: R3889715