

Curriculum Vitae

Yash Gugale

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CAREER OBJECTIVE

To pursue graduate studies in computer science with a focus on Computer Graphics, Visualization, Animation and Machine Learning

EDUCATIONAL QUALIFICATIONS

Degree	University/Board	College/Institute	Year Of Passing	Percentage
TE	Savitribai Phule Pune University	P.E.S. Modern College Of Engineering	2017	74.8%
SE	Savitribai Phule Pune University	P.E.S. Modern College Of Engineering	2016	61.4%
FE	Savitribai Phule Pune University	P.E.S. Modern College Of Engineering	2015	63.9%
HSC	Maharashtra State Board	Fergusson College	2014	86.6%
SSC	Maharashtra State Board	Loyola High School	2012	92.73%

FIELDS OF INTEREST

- Computer Graphics and Visualization
- OpenGL, Virtual reality and Augmented reality
- Machine Learning and Statistics

TECHNICAL SKILLS

- **Programming Languages** (C, C++, Java, HTML)
- **Database** (MySQL, MongoDB)
- **Script** (Python)
- **Tools** (Visual Studio, \LaTeX , PyCharm).
- **Other Technologies** (Win32 Programming, COM Programming, OpenGL, .Net)

MAJOR PROJECTS, RESEARCH PAPERS AND SEMINARS

- **Autonomous Vehicle navigation simulation using Computer Vision and Machine Learning** (Persistent Systems Public Ltd. sponsored BE Project)
 - Objective : To implement a module to detect road lane lines, passer-by vehicles and traffic signs for efficient navigation in real time.
 - Used HOG features to differentiate between training samples of cars and not cars.
 - Trained a machine learning model using Linear SVM to detect cars on live feed.
 - Project implemented using Python and OpenCV.
- **Business Management System** (TE Project)
 - Objective : To create business management system for a company.

- Developed a business management system where the customers can login, place orders, track their orders, etc.
- The owner of the company can view the quarterly, biannually and yearly reports of sales in text or graphical format.
- The system was developed using Java for front end and logic and MySQL for database
- **PDF Aligner Project (TE Project)**
 - Objective : To develop a software that will format a PDF file so that it prints as per the standard booklet format.
 - We need to split the pdf pages, realign them in the proper format, merge again and then print.
 - The project was implemented using 'C' for speed and pdftk, ps2pdf tools were used.
- **Opinion Mining and Sentiment Analysis (TE Seminar)**
 - Presented a seminar on sentiment analysis and opinion mining using natural language processing.

ADDITIONAL COURSES AND CERTIFICATIONS

- **Python Programming, Data Structures and Algorithms - CMI** (Elite + Gold Certification and in the top 1% with a consolidated score of 94%)
- **Introduction To Machine Learning - IIT Kharagpur** (Elite Certification and in the top 5% with a consolidated score of 85%)
- **Introduction To Cryptology - IIT Roorkee** (Elite Certification with a consolidated score of 71%)
- **Software Foundation Advanced Course with C++ Programming - IBM**
- **Camp Kennedy Space Center - NASA's Kennedy Space Center, USA**
- **Volunteer Training Program – Foliage Outdoors**
- **Handmade Paper Conversion**

INDUSTRIAL VISITS

- C-DAC, Pune. Studied and gained information about PARAM Supercomputer- India's first supercomputer.
- Indian Meteorological Department, Pune. Studied about the applications of Real Time Operating System in Weather Forecasting and Seismology study.

EXTRA/CO-CURRICULUM

- Worked with Action For Pune Development (NGO) to spread traffic awareness and kids safety.
- Certificate of Intermediate Grade Drawing Exam with grade B and Elementary Grade Drawing Exam with grade C.
- Soft Skills Development with Barclay's.
- Winner Of Salsa Bachata Championship at Pune International Dance Congress-2015 and Runners-Up at Dance Sport Maharashtra (DSAM)- 2016.
- PADI certified Basic (Open water) and Advanced Scuba Diver.
- Certified First Aid-er.
- CSI accredited Student from P.E.S Modern College of Engineering.
- Photography Head-Computer Engineering Students Association

LANGUAGES

- English, Hindi, Marathi, Marwadi, Spanish (Beginner level)

INTEREST AND HOBBIES

- Reading, Dancing, Travelling and Trekking