

Ameya Joshi

Curriculum Vitae

Education

2010–2014 **Bachelor of Engineering (Hons.), Electrical and Electronics Engineering, Birla Institute of Technology and Science, Pilani, Goa, GPA – 7.98.**

Experience

June 2014–Present **Computer Vision Engineer, DUCERE TECHNOLOGIES, Hyderabad, India.**
Computer Vision Specialist. Embedded Systems Programmer

Detailed achievements:

- Worked on LeChal, the flagship product aimed at providing navigational freedom to the visually impaired
- Implemented a system for image acquisition on STM32F4 ARM platform for image acquisition
- Designed the firmware architecture for a variant of the product.

Designed and implemented a prototype for a computer vision system for obstacle avoidance using stereo-vision and saliency modelling.

Designed and implemented a Tesseract OCR based document analysis module for a prototype

Improved an existing project for No-ball detection (Cricket) to work with a single camera instead of stereo vision using motion heuristics

Publications

Awardee of the BITS Merit-cum-Need Scholarship

Projects

June 2014– **Computer Vision Intern, DUCERE TECHNOLOGIES, Hyderabad, India.**

December 2014 Worked on designing obstacle avoidance systems for the blind

- Designed and implemented a prototype for a computer vision system for obstacle avoidance using stereo-vision and saliency modelling.
- Designed and implemented a Tesseract OCR based document analysis module for a prototype
- Improved an existing project for No-ball detection (Cricket) to work with a single camera instead of stereo vision using motion heuristics

Awards

2010-2014 Awardee of the BITS Merit-cum-Need Scholarship

2009 National Talent Search Scholar, one of the top 500 students selected as a science scholar

Skills

Basic ANDROID JAVA
Intermediate PYTHON, HTML, \LaTeX
Advanced C/C++
Packages and Tools
Computer Vision OpenCV, MATLAB, SimpleCV
Machine Learning scikit-learn, OpenCV ML libraries
Embedded Platforms STM32 ARM, EFM32, AVR

Communication Skills

2010 Oral Presentation at the California Business Conference
2009 Poster at the Annual Business Conference in Oregon

Languages

English	Mothertongue	
Spanish	Intermediate	<i>Conversationally fluent</i>
Dutch	Basic	<i>Basic words and phrases only</i>

Interests

- Piano	- Chess
- Cooking	- Dancing
- Running	

HR Department
Corporation
123 Pleasant Lane
12345 City, State

December 5, 2014

Dear Sir or Madam,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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Sincerely yours,

Ameya Joshi

Attached: curriculum vitae

Ameya Joshi

☎ (+91) 9867938499 • ✉ ameyaj.005@gmail.com • 📖 My Blog
Computer Vision Engineer