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# Prathamesh A Degwekar

*Computer Engineering Student*

## EDUCATION

1	<b>Indian Institute of Information Technology, Design &amp; Manufacturing Kancheepuram</b>	Computer Engineering Dual Degree Course (B.Tech + M.Tech)  ( CGPA = 9.07 / 10 )	1st Semester	8.61 (GPA)
			2nd Semester	8.91 (GPA)
			3rd Semester	9.57 (GPA)
			4th Semester	8.82 (GPA)
			5th Semester	9.45 (GPA)
2	<b>National Public School , Koramangala</b>	Central Board of Secondary Education (CBSE Board)	<i>12th Grade</i> ( MAY 2015 )	95%
3	<b>New Horizon Public School , Bangalore</b>	Indian Certificate of Secondary Education (ICSE Board)	<i>10th Grade</i> (MAY 2013 )	94.5%

## PROJECTS

- Developing an AUV (Autonomous Underwater Vehicle) with a group of fellow engineering students.
- Developing a semi-autonomous mini drone.
- Developing a self-balancing platform for applications in the medical industry and warehousing.

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- Developed a Quadcopter for the Science Exhibition at NPS Koramangala. Developed the code in processing and embedded C and built a prototype using an Arduino Uno Development Board.
  - Successfully made a maze solving robot implementing the A\* Search Algorithm for the above mentioned Event.
  - Made Pacman using Turbo C implementing the A\* Search Algorithm.
  - Made Conway's Game of Life Simulation in turbo C.
  - Made a Ball Following Robot in SHAASTRA 2016 (IIT Madras Fest)
  - Made a 3d Model of a Hoverboard for Industrial Design Sketching Course.

## COURSES TAKEN

- Computational Engineering
- Discrete structures for Computing
- Machine Learning ( Online – Coursera.com )
- Database Systems
- Design and Analysis of Algorithms
- Computer Organisation, Computer Architecture
- Cryptography ( Online - Coursera.com )
- Advanced Data Structures and Algorithms
- Data Mining
- Embedded Systems

## Internships

- App development for startup UpLad based in Bangalore , India.

## SKILLS

- C , C++ , Java
- Algorithms
- Android Development
- Lua ( Corona SDK )
- Verilog
- OpenCV
- Arduino

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## ACHIEVEMENTS

- Cleared Zonal Informatics Olympiad (ZIO) 2014, Qualified for The Indian National Olympiad of Informatics (INOI) 2014 conducted by the IARCS ( Top 250 In India ).
- Hackerrank World Cup 2015 Semi Final World Rank 300
- HP CodeWars 2014 Top 10
- Reached Finals and won multiple programming contests at inter school and inter University contests.

## INTERESTS

- Algorithmic Programming
- Machine Learning
- Robotics

## TECHNICAL INTERESTS

- Graph Theory
- Machine Learning
- Big Data
- Cryptography

## EXTRA-CURRICULAR ACTIVITIES

- Participation and Victory in numerous Coding Contests and Quizzes
- Laurels in events like Crisis Management, Gaming and Debating
- Completed Times NIE Junior Journalism Program (Year 2011)
- Playing sports: football, table tennis

## CONTACT

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