Shreyash **Agarwal**

SOFTWARE ENGINEER

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"Be the change that you want to see in the world."

Education

M.S.Ramaiah Institute of Technology   *Bangalore, India*

B.E. IN INFORMATION SCIENCE AND ENGINEERING   *Aug 2012 - Aug 2017*

- CGPA : 7.95/10

Delhi Public School, Ruby Park   *Kolkata, India*

A.I.S.S.C.E (CBSE)   *2012*

- Computer Science, English, Physics, Chemistry, Mathematics
- Percentage : 87.4%

Delhi Public School, Ruby Park   *Kolkata, India*

A.I.S.S.E (CBSE)   *2010*

- English, Mathematics, Computer Science, Science, Hindi, Social Studies
- 9.60(CGPA) = 92%

Skills

Programming	Python, Node.JS, C/C++, JAVA, Android, Ionic Framework, LaTeX
Web	HTML5, CSS3, Javascript, AngularJS
Languages	English, Hindi

Experience

Thappad (OPUS Media LLP)   *Bangalore, India*

APPLICATION DEVELOPER   *November 2015 to March 2016*

- Developed Hybrid Web Apps using Ionic Framework and AngularJS 1.0
- Learnt about MVC framework and the angular pattern.
- Also worked with Cordova plugins for interacting with the user.

ASDA (Ansul's Dance Academy)   *Bangalore, India*

WEB DEVELOPER & ADMINISTRATOR   *(September 2015 to January 2016)*

- Developed responsive, mobile-ready website using Bootstrap, HTML5 and CSS3.
- Also used jQuery plugins such as Slick and Magnific Popup.
- Was responsible for web administration and managing the server for the client (used GoDaddy).

Projects

IPAWAC - Intelligent Personal Assistant with Alternative Communication   *M.S. Ramaiah Institute of Technology, Bengaluru, India*

CORE MEMBER   *2016-2017*

- Intelligent Personal Assistant running on macOS using Python3 that incorporates alternative modes of communication such as text input via terminal and also speech via microphone.
- Also incorporates vision for the assistant using OpenCV and has capability to learn and then recognise faces by building models after capturing and training data (using Fisher models).
- Incorporates offline wake-word detection using Snowboy engine, including capability to put the assistant to sleep and then wake up
- Keeps modular nature of the modules and includes Gmail, Google Contacts integration with OAuth2 authorisation mechanism.