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 : 7.89/10 (Graduated with Honours)

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 Languages	Bash, Python, Go, C/C++, LaTeX, HTML5, CSS3
Cloud Services	Amazon Web Services- Lambda, S3, API Gateway, CloudWatch, EC2)
Tools	Git, Docker
Frameworks	Flask, Zappa, React
Languages	English, Hindi

Work Experience

Minance Technologies	*Bangalore, India*
SENIOR SOFTWARE ENGINEER	*April 2017 to current*

- System architecture design and implementation for database, logic and API layers.
- Developing and maintenance of internal and public web APIs built with Flask to run on serverless platforms.
- Deployment of APIs using various services, such as AWS Lambda and Docker.
- Development of infrastructure for ETL of real-time financial market data.

	Bangalore, India
JUNIOR SOFTWARE DEVELOPER	*October 2017 to April 2017*

- Contributed to existing system modules and refactoring legacy code in Python.
- Converted application logic to in-memory to drastically reduce compute time and server load.
- Developed desktop and web applications using Tkinter for internal use.

Thappad (OPUS Media LLP)	*Bangalore, India*
APPLICATION DEVELOPER (INTERN)	*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 (INTERN)	*(September 2015 to January 2016)*

- Developed responsive, mobile-ready website using Bootstrap, HTML5 and CSS3.
- Used jQuery plugins such as Slick and Magnific Popup for functionality.
- 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

<small>Core Member</small>   *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.