

Aseem Raina

<http://aseem96.github.io>

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EDUCATION

NC STATE UNIVERSITY

MASTER OF COMPUTER SCIENCE

Expected May 2019 | Raleigh, NC

Cum. GPA: N/A

UNIVERSITY OF PUNE

BE IN INFORMATION TECHNOLOGY

Pune Institute of Computer

Technology

GPA: 9.17 / 10.0

VIKHE PATIL SCHOOL

Grad. May 2013 | Pune, India

LINKS

Github:// [aseem96](#)

LinkedIn:// [aseem-raina](#)

Quora:// [Aseem-Raina-2](#)

SKILLS

PROGRAMMING

Over 5000 lines:

Java • Python

Over 1000 lines:

C • C++ • Embedded c

Familiar:

NodeJS • PHP • JavaScript

Frameworks:

• MySQL • MongoDB • Git

INTERESTS

Machine Learning

Data Science

Robotics | Embedded Systems

Data Structures | Algorithms

Open Source

COURSEWORK

GRADUATE

Automated Learning and Data Analysis

Fundamentals of Data Science

Design and Analysis of Algorithms

UNDERGRADUATE

Information Retrieval

Operating Systems | Linux

Machine Learning

Systems Programming

Design and Analysis of Algorithms

Data Structures

EXPERIENCE

IBM INDIA | CLOUD AND ANALYTICS | SOFTWARE DEVELOPMENT INTERN

July 2016 - Jan 2017 | Pune, India

- IBM Watson | Part of the development and testing team for an upcoming IBM cognitive project.
- IBM Log Analysis | Analyze and extract metrics from log files.
- IBM Bluemix | Development and testing of Bluemix environment for IBM Watson and Predictive Analytics APIs.

CASTALIA RESEARCH LABS | PROJECT INTERN

Jan 2015 - Feb 2015 | Pune, India

- Worked on a project to detect a shuttlecock in the initial phase of its flight and estimate the trajectory using regression concepts, using Microsoft Kinect.
- The above data was transferred to a robot for successful return of service. **Published our work** in an international journal ([link](#)).
- The project was undertaken as a part of the theme of ABU Robocon 2015.

PROJECTS

REMOTE INTELLIGENT ASSISTANT FOR LINUX

- Developed a Linux based Desktop Assistant using Machine Learning and Natural Language Processing.
- Converts instructions in English given by user to syntactically correct Linux commands. The application continuously learns and adapts to user feedback.
- The commands can be run on the user machine remotely.

PICT ROBOTICS LAB | HEAD OF MECHANICAL AND DESIGN | MEMBER OF CODING TEAM

CAD Design and Simulation • PS2 Controller Interfacing for robot locomotion • PID for Path Planning • Experience in Embedded Systems

REAL TIME TRAFFIC ANALYTICS USING SOCIAL MEDIA FEED

- Developed an application to post real time traffic updates to a dashboard, including the possible reasons for congestion (using NLP).
- Trained a sentiment analysis Machine Learning model for the same.
- Won the 'Best Implementation' award at VertBlue Hackathon, NCL India

• More on my Github profile here: [aseem96](#)

ACHIEVEMENTS

2015	Winner	Java Programming Contest, MIT Tesla, Pune, India
2015	First Runner Up	C Programming Contest, MIT Tesla, Pune, India
2015	First Runner Up	Paper Presentation Contest, COEP, Pune, India
2015	National 4th/89 teams	ABU Robocon, Pune, India
2017	National 11th/110 teams	ABU Robocon, Pune, India
2017	Best Implementation	NCL VertBlue Hackathon, Pune, India

SOCIETIES

2013	Institute of Electrical and Electronics Engineers IEEE	Member
2017	Computer Society of India CSI	Member