Prabh Simran Singh Baweja

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EDUCATION

IIIT HYDERABAD
BACHELORS OF TECHNOLOGY IN COMPUTER SCIENCE
June 2016 | Hyderabad, India
Dean's Merit List (Fifth Semester)

LINKS

Github:// **prabh27**
LinkedIn:// **prabhbaweja**

ACHIEVEMENTS

• 2018: **Technical Talk on Chatbots in the Travel Industry** at PyCon Poland and FullStack Fest Barcelona.
• 2018: Most Popular Project among 250 projects at Booking.com Hackathon.
• 2016: Award of Honor from the Chief Minister of Himachal Pradesh, India.
• 2012: All India Rank 1440 among 1.2 Million students in Joint Entrance Exams.
• 2010: 3rd in the State among 450,000 students in High School Examinations.

COURSEWORK

• CMU 15-213: Computer Systems - A Programmer's Perspective (Self Study)
• Artificial Intelligence
• Information Retrieval and Extraction
• Statistical Methods in AI
• Principles of Programming Languages
• Principles of Information Security
• Cloud Computing
• Operating Systems
• Data Structures
• Cryptography 1 (Online)

SKILLS

Programming Languages
C • C++ • Java • Python • Perl
Frameworks
Spring • Django • Web2Py
Tools/Libraries
NumPy • Scikit • Git • Vim
Docker • LaTeX
Others
HTML/CSS • MySQL

RESEARCH AND INDUSTRIAL EXPERIENCE

BOOKING.COM | SOFTWARE DEVELOPER
June 2017 – Present | Amsterdam   Python, Docker, Perl
• Core Member of the ChatBot team working on intent classification of several travel queries using in-house Machine Learning Models.

CODENATION | INNOVATION ENGINEER
June 2016 - April 2017 | Bangalore, India   Java, Unity
• Designed and Implemented a tool that helps visualize different components of a large monolithic codebase, their current status, stability, and control flow.
• Built an automated refactoring system for detecting and removing duplicate code antipattern. *The algorithm automatically modularized 30-40% of duplicate code cases - a 7-fold improvement from state of the art.* **Patent filed**

PRACTO | SOFTWARE ENGINEERING INTERN
May 2015 - July 2015 | Bangalore, India   Python, Java
• Designed a tagging system that would help patients keep their records in order.

IIIT HYDERABAD | TEACHING ASSISTANT
August 2015 - December 2015 | Hyderabad, India
• Evaluating final examinations and conducting tutorials and quizzes for senior and post-graduate students.

MIT MEDIA LABS WORKSHOP
January 2014 | Mumbai, India   iOS, Python
• Built a prototype that captures live videos of an object and overlays still images on them using point-cloud libraries to enhance immersive experiences.

CODECOMBAT | INNOVATOR AND DEVELOPER
February 2014 - December 2014 | Hyderabad, India   Javascript
• Contributed to the Open Source Community by developing games for programming enthusiasts to teach them basics of programming constructs, data structures, algorithms. **The games have been played by over a million users.**

VIRTUAL LABS, GOVT. OF INDIA INITIATIVE | RESEARCH ASSISTANT
August 2014 - December 2014 | Hyderabad, India   C++, Python
• Designed and Implemented virtual experiments to aid undergraduate courses for core CS projects that was used by 55,000 students.

SELECTED PROJECTS

Community Detection in Social Networks   Java, Python
• Action and Content Based Community Detection on 58,000 active Flickr users.

Predicting cancer survival using clustering algorithms   Python
• Implemented K-means, K-mediods mechanisms on the Haberman breast cancer dataset to predict survivors.

Intelligent agent for Backgammon   C++
• Implemented Holding, offensive game strategy using Expectimax Search Trees.

Analysis of Image Recognition algorithms   Python
• Extracted discriminative features from IRIS/WDBC/Wine datasets by using several algorithms on labeled images under controlled conditions.