Prabh Simran Singh Baweja

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EDUCATION

CARNEGIE MELLON UNIVERSITY
MASTERS IN ELECTRICAL AND COMPUTER ENGINEERING
Aug 2019 - Present | Bangkok

IIIT HYDERABAD
BACHELORS OF TECHNOLOGY IN COMPUTER SCIENCE
2012 - 2016 | Hyderabad, India
Dean's Merit List (Fifth Semester)

LINKS

Website: http://prabh27.github.io
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.
• 2009: 3rd in the State among 450,000 students in High School Examinations.

COURSEWORK

• Research and Innovation
• Convolutional Neural Networks
• Deep Learning
• Image and Video Processing
• Machine Learning
• Computer Systems
• Cloud Computing
• Data Structures

SKILLS

Programming Languages
C++ • Java • Python
Tools/Libraries
Keras • Pandas • Git • Vim
Docker • LaTeX
Others
HTML/CSS • MySQL

SELECTED PROJECTS

INVENTORY MANAGEMENT | RESEARCH ENGINEER
Aug 2019 - Present | Bangkok   Computer Vision, Tensorflow
- In partnership with our industry partner in Thailand, we are working on real-time inventory analytics solutions to provide actionable intelligence to increase inventory turnover and improve product freshness.

FRAUD RECEIPTS DETECTION | CMU & K-BANK
Aug 2019 - Present | Bangkok   Computer Vision, Tensorflow
- Exploring the RGB tampering artifacts and local noise inconsistencies in the receipts to localize the fake part of the bills.

EXPERIENCE

BOOKING.COM | SOFTWARE DEVELOPER
Jun 2017 – Aug 2019 | Amsterdam   NLP, Docker, Java
- Youngest Core Member of the ChatBot team working on the Natural Language Processing Model, focusing on building adaptive chatbots for 200 million unique users who book travel online.

CODENATION | INNOVATION ENGINEER
Jun 2016 - Apr 2017 | Bangalore, India   Java, C++
- Implemented 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. **The patent titled "Automatic Refactoring of Cloned Code" based on this work is currently under review.**

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

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

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

CODECOMBAT | INNOVATOR AND DEVELOPER
Feb 2014 - Dec 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
Aug 2014 - Dec 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.