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

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
•Artificial Intelligence
•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

EXPERIENCE

BOOKING.COM | SOFTWARE DEVELOPER
Jun 2017 – Aug 2019 | Amsterdam   Python, Docker, Java
- Designed a centralized system to store contacts for several business verticles.
- Core Member of the ChatBot team working on the Natural Language Processing Model, making it robust according to the real world.

CODENATION | INNOVATION ENGINEER
Jun 2016 - Apr 2017 | Bangalore, India   Java, C++
- Research on the daily problems faced by developers. 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.* **Patent filed**

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++
- Built 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.

SELECTED PROJECTS

INVENTORY MANAGEMENT | CMU & THAIBEV
Aug 2019 - Present | Bangkok   Tensorflow, Python, Jupyter
- Designing an Object Tracking model to analyze the inventory inflow and outflow for Thaibev.

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