

Daksh Jotwani

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Education

- **Purdue University** West Lafayette, IN
B.S. Computer Science Honors, B.S. Mathematics Aug. 2016 - Present
 - GPA: **3.95/4.00**, Dean's List.
 - Expected Graduation Date: **December 2019**.
 - Relevant ongoing courses: Algorithms, Machine Learning and Data Mining, Vector Calculus.
 - Relevant completed courses: Systems Programming, Data Structures and Algorithms, Databases, Computer Architecture, C Programming, Linear Algebra, Real Analysis, Differential Equations.

Work Experience

- **Purdue University, Department of Computer Science** West Lafayette, IN
Undergraduate Research Assistant Sept 2018 - Present
 - Exploring deep learning-based techniques to reduce search times for data-points in overlapping ranges of an R*-tree.
- **Purdue University, Department of Computer Science** West Lafayette, IN
Undergraduate Teaching Assistant August 2018 - Present
 - Teach and grade labs for a *Systems Programming* class that covers fundamental system calls and the use of operating systems.
 - Host weekly office hours to answer questions related to lab assignments.
- **Myntra (Walmart Subsidiary)** Bangalore, India
Software Engineering Intern May 2018 - Aug. 2018
 - Worked with *Myntra Labs* to integrate Myntra's online infrastructure with its offline stores.
 - Applied computer vision techniques to monitor store traffic, analyze age/gender demographics, identify returning customers, and detect customer satisfaction.
 - Developed a system where computer vision-based inferences from store cameras are broadcast to store devices to provide personalized services such as product/size recommendations to customers.
- **Purdue University, Department of Physics** West Lafayette, IN
Undergraduate Teaching Assistant Aug. 2017 - May 2018
 - Assisted in running weekly help sessions for an *Electricity and Magnetism* course.
 - Held review sessions to solve practice problems for exams.

Projects

- **PayShare** May 2018 - Present
 - Developed a web application to split and keep track of expenses amongst a group of people.
 - Applied image processing frameworks and Tesseract OCR to scan receipts and generate a list of items for users to select and split.
 - Working on transitive simplification of group expenses and porting PayShare to Android and iOS.
- **SmartPass** October 2016
 - Built an event-ticketing system which authorizes people using face/voice recognition.
 - Deployed a server to provide face recognition services for iOS devices to identify people at events.

Skills

Languages: C, C++, Python, Java, JavaScript, MATLAB.
Frameworks: React, Numpy.