

# KASHISH BANSAL

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Yamunanagar, Haryana

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## EDUCATION

B.E.(Computer Engineering) 2020

Thapar Institute of Engineering and Technology

C.G.P.A. - 9.75/10 (After 7 Semesters)

Class XII 2016

Delhi Public School, Yamunanagar

Percentage - 94.60%

## EXPERIENCE

### R&D Internship

VMware, Bengaluru Jan'20-Present

- Tuning a kernel for hard real time applications to reduce it's latency when running on ESXi hypervisor.

### Front End Web Development Intern

Viewfin, Dubai June'18 - July'18

- Created a front end website using React JS for Encrypted Ventures, a block chain agency startup and a part of ViewFin, Dubai.

## PROJECTS

Pothole Detection System Dec'19

- Built our own dataset and preprocessed it to have the best results.
- Applied Random Forest Algorithm on the data to achieve an accuracy of 87%.
- Update the map in real time with the location of the potholes.

Artificial Eyes Apr'19

- Device for blinds that uses CNN and LSTM to generate caption for an image and converts to speech to give output on Raspberry Pi.

Cart and Pole Balancing Nov'18

- Used openAI gym environment (Cart and Pole) for training.
- Used Deep Q Learning in reinforcement Learning to train it using keras and tensorflow.

Buy and Sell Dec'17

- Created a project using HTML, CSS, JS, PHP and MySQL
- Assists in buying and selling of used products within university.

## CERTIFICATIONS

- VMware vSphere: Install, Configure, Manage [V6.7] - On Demand  
VMware Education Feb'20
- Interview Preparation in C++  
Coding Ninjas July'19
- Convolutional Neural Networks  
Coursera Feb'19
- Neural Networks and Deep Learning  
Coursera Feb'19

## SKILLS

- Web Development- Javascript, PHP, MySQL, React JS
- Java, Python
- Deep Learning
- Linux, Git, LaTeX
- Adobe Photoshop

## ACHIEVEMENTS

- Granted with an annual scholarship thrice for being in top 10% of COE branch.
- Awarded with a Golden Trophy for being a scholar for consecutive 9 years at DPS, Yamunanagar.

## CO-CURRICULAR WORK

- Joint Convenor , Creative Computing Society, TIET, Patiala leading a team of more than 100 people.
- Designer, CCS and various other societies of TIET during second year of Engineering.
- Overall Event Coordinator during annual technical fest HELIX organizing various technical events.
- Mess Secretary during first year in Hostel C leading a team of 6 people.
- Volunteer in SBI Patiala Marathon under Daudta Punjab Initiative.

## INTERESTS & HOBBIES

- Graphic Designing
- Puzzles