# Purvam  Pujari

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[purvampujari.github.io](purvampujari.github.io)

## EDUCATION

**University of Southern California, Los Angeles, United States**                    **Fall 2019**
*Candidate for Masters of Science(MS) in Computer Science*

**D. J. Sanghvi College Of Engineering, Mumbai, India**                    **July 2015 - May 2019**
*Candidate for Bachelor of Engineering(BE) in Computer Engineering, **CGPA: 9/10***
Relevant Courses: Mathematics, Data Structures, Algorithms, Operating Systems, Computer Networks, Computer Graphics
Object Oriented Programming, Software Engineering, Database Management, Web Technologies, and Artificial Intelligence.

## EXPERIENCE

**Milearth Softech, Mumbai, India**                    **July 2017 - October 2017**
*Android Developer Intern*
- Worked on a Revolutionary School Management Software; designed frontend & backend modules of school security and fees
- Designed model for lost & found module, and devised a school timetable scheduling software using genetic algorithm.
- Technologies used : XML, Java, Android, Firebase, PHP, Rest API

## PROJECTS

**Generating photo realistic images from text description using Generative Adversarial Network (GAN)**
- Devising solution to enhance reading experience by converting texts into pictures to provide illustration as well as to add more depth, context and detail and offer comfort.
- Employed GANs to synthesize pictorial book by summarizing relevant paragraphs using NLTK to generate images based on it. Thus, millions of books across internet can be easily converted in digital pictorial book form.

**Mediconnect - HealthCare Social Networking Website**
- Developed a website using PHP and MySQL database with patient medical detail and previous health records, allowing patients to post medical query and share their digital medical profile with doctors, aiding doctor in addressing their problems.
- Implemented features for patients to manage their medical documents like reports, insurances, bills and book appointments.

**Education Scholarship Website for Educon Committee (NGO)**
- Designed website for NGO using PHP with MySQL database which helped them to provide online scholarship application forms as well as scrutinize meritorious candidate based on decision tree model and naives bayes classifier model.
- Developed solution as part of Code For Good hackathon, held by JP Morgan, which aims to select group of developers across the world to help mitigate NGO's problem with their coding skills

**MagicMove - Multiplayer Android Game**
- Build this online multiplayer modified Rock Paper Scissors Lizard Spock android game using a realtime-firebase database, where user can create own game rooms and invite friends, additionally also incorporated offline gaming mode using bots.
- Made use of cool animations to improve user experience and features to make it an amazing gaming experience with peers.

## COURSES AND CERTIFICATIONS

- Machine Learning: By Prof. Andrew NG, Stanford University | Python Data Structure: University of Michigan  (Coursera)
- Data Structure and Algorithm: Received scholarship and scored 750/750 on this program issued by Codechef, Directi .
- Algorithm : By Prof. Tim Roughgarden, Stanford University | Programming for Everybody: University of Michigan  (Coursera)
- Microsoft Technology Associate: Certified in web development  |  Google Adwords : Certified by Google Academy of Ads

## TECHNICAL SKILLS

- Languages and Frameworks: C, C++(STL), Java, Python, Matlab
- AI and Data Science Libraries: Excel, pandas, scikit-learn, numpy, matplotlib, seaborn, NLTK (Natural Language Toolkit)
- Web and Database Technologies: HTML, CSS, JavaScript, PHP, MySQL, Firebase

## EXTRA CURRICULAR ACTIVITIES

- Technovanza C Programming: Secured 3rd rank in intercollege contest held by VJTI College in *2017*
- SIES Programming: Secured 3rd rank in intercollege programming contest held by SIES College in 2017
- HackerRank University CodeSprint: Won silver medal in competitive programming contest in *2018*
- HackerRank World CodeSprint: Won bronze medal in competitive programming contest in *2018*
- ZS Case Study Challenge: Stood among top 10 winner teams among 1000+ participating teams across India in *2018*
- Selected for the Morgan Stanley Mentorship program by ranking among top 20 students in the college and mentors were assigned for career guidance, learnt technical presentations skills  as well as advance data structure and algorithms.
- Problem setter, problem tester, lecturer and coding event organizer at *DJ Codestars*, programming chapter of our college.
- TechGig Campus Ambassador: Inspired students for learning and participating in programming contests on this platform.
- CodeChef Representative: Promoted competitive programming spirit in our college.
- GeeksforGeeks Campus Ambassador: Helped students regarding technical coding interviews .
- Qualified for higher rounds in Google Code Jam, Facebook Hacker Cup, ACM ICPC and other prestigious competitions.