Purvam Pujari

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EDUCATION

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

D. J. Sanghvi College Of Engineering, Mumbai, India **(Expected) June 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

Morgan Stanley, Mumbai, India **September 2017 - March 2018**
Mentorship Program
- Selected for the program by ranking among top 20 students in the college and mentors were assigned for career guidance.
- Learnt technical presentations skills, interviews techniques as well as advance data structure and algorithms like bloom filters, tries, segment trees, sieve of eratosthenes, etc .

PROJECTS

Generating photo realistic images from text description using Generative Adversarial Network (GAN) (In progress)
- 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 .
- Employed Bag of words model for feature extraction from patient's post and support Vector Machine (SVM) to classify those post and notify concerning doctors to answer it.

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

COURSES AND CERTIFICATIONS

- Machine Learning: By Prof. Andrew NG, Stanford University (Coursera)
- Data Structure and Algorithm: Received scholarship and scored 750/750 on this program issued by Codechef, Directi .
- Algorithm I: By Prof. Tim Roughgarden, Stanford University (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

- 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 AI contests on this platform.
- CodeChef Representative: Promoted competitive programming spirit in our college.
- GeeksforGeeks Campus Ambassador: Helped students regarding technical interviews and took seminars for same.
- Technovanza C Programming: Secured 3rd rank in intercollege contest 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*
- Qualified for higher rounds in Google Code Jam, Facebook Hacker Cup, ACM ICPC and other prestigious competitions.