

Purvam Pujari

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purvampujari.github.io

EDUCATION

University of Southern California, Los Angeles, United States

August 2019 - May 2021

Candidate for Masters of Science(MS) in Computer Science

Relevant Courses: Analysis of Algorithms, Foundation of Artificial Intelligence

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: Data Structures, Algorithms, Web Technologies, Object Oriented Programming, Software Engineering, Database

EXPERIENCE

Milearth Softech, Mumbai, India

July 2017 - October 2017

Android Developer Intern (Java)

- Worked on a School Management Software; designed API's using python, retrieved those applying Retrofit android library.
- Devised a school timetable scheduling software implementing genetic algorithm. Moreover, the project improved efficiency by automating the manual task of timetable scheduling. Designed frontend & backend modules of school security and fees.

Morgan Stanley, Mumbai, India

September 2017 - March 2018

Mentorship Program

- Selected for this program by ranking among the top 20 students in the college from 500+ applicants and mentors were assigned for career guidance, thereby experienced challenges involved in real world technical projects.
- Learnt event management techniques, technical presentations skills as well as advanced data structures and algorithms.

PROJECTS

Generating photo realistic images from text description using Generative Adversarial Networks (GANs) - Python

- Devising solutions to enhance reading experience by converting texts into pictures to provide more illustration as well as to add more depth, context, details and offer comfort.
- Employed GANs to synthesize pictorial book by summarizing relevant paragraphs to generate images based on it. Thus, millions of books across the internet can be easily converted in digital pictorial book form which are much more interesting.

MediConnect - HealthCare Social Networking Website - HTML, CSS, Javascript, PHP, MySQL

- Developed a website with PHP and MySQL database with patient medical details 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) - HTML, CSS, Javascript, PHP, MySQL

- Designed website for NGO using PHP with MySQL database which helped NGO to provide online scholarship application forms as well as scrutinize meritorious candidate based on decision tree model and naive 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, and also stood among the top 5 teams in this hackathon.

MagicMove - Multiplayer Android Game - XML, Java, Firebase, SQLite

- Built online multiplayer Rock Paper Scissors Lizard Spock android card game using a realtime-firebase database, where user can create their own game rooms and invite friends, also incorporated offline gaming mode utilizing gaming bots.
- Made use of cool animations to improve user experience and features to make it an amazing gaming experience with peers.

TECHNICAL SKILLS

- Languages and Frameworks: Python, C, C++ (STL), Java, Matlab
- AI and Data Science Libraries: Numpy, Pandas, Scikit-learn, Tensorflow, Matplotlib, Seaborn
- Web and Database Technologies: HTML, CSS, JavaScript, PHP, MySQL, Firebase

EXTRA CURRICULAR ACTIVITIES

- **HackerRank University CodeSprint:** Won a Silver Medal in this programming contest in 2018 (C++)
- **Technovanza C Programming:** Secured 3rd rank in this Intercollege coding contest in 2017 (C)
- **HackerRank World CodeSprint:** Won a Bronze Medal in this programming contest in 2018 (C++)
- **ZS Case Study Challenge:** Stood among Top 10 winning teams from 1000+ participating teams across India in 2018
- **TechGig Code Gladiator:** Ranked in the Top 0.1% in this programming contest among 250,000+ programmers across India (Py)
- **CodeChef Programming Scholarship:** Secured 1st rank and scholarship in this university contest issued by CodeChef, Directi .
- **DJ Codestars Technical Head:** Problem Setter, Lecturer and Coding event organizer at college programming chapter.
- **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.
- **Microsoft Technology Associate:** Certified in web development | **Google Adwords :** Certified by Google Academy of Ads
- **Google Code Jam, Facebook Hacker Cup, ACM ICPC:** Qualified for higher rounds in this and other prestigious competitions.