Purvam Pujari

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EDUCATION

University of Southern California, Los Angeles, United States　　　　　　　　　　　**August 2019 - May 2021**
Candidate for Masters of Science (MS) in Computer Science　　　　　　　　　　　　　　　*GPA: 3.85/4*
Relevant Courses: Analysis of Algorithms, Foundation of Artificial Intelligence, Web Technologies, Databases, Mobile Social Games

D. J. Sanghvi College Of Engineering, Mumbai, India　　　　　　　　　　　　　**July 2015 - May 2019**
Bachelor of Engineering (BE) in Computer Engineering　　　　　　　　　　　　　　　　*CGPA: 9/10*
Relevant Courses: Data Structures, Algorithms, Distributed System, Object Oriented Programming, Software Engineering, Databases

EXPERIENCE

University of Southern California, Los Angeles, United States　　　　　　　**August 2020 - December 2020**
Course Producer, CSCI 360: Introduction to Artificial Intelligence
● Responsible for holding office hours, monitoring discussion groups, designing assignments and grading submissions.

Amazon.com Services, Seattle, United States　　　　　　　　　　　　　　**May 2020 - August 2020**
Software Development Engineer Intern
● Designed, developed and tested '*Work Visualizer'* software that helped SDEs and site operators to assess, monitor and debug issues in Amazon Fulfillment Centers, by providing features to aggregate, apply filter & visualize work in real time.
● Designed and implemented API Models, lambda functions to query ElasticSearch, developed Frontend website and deployed it.
● Incorporated technologies such as Java, ElasticSearch, ReactJS, Smithy, Testing, JUnit, Mockito, Git, AWS Lambda, API Gateway

Milearth Softech, Mumbai, India　　　　　　　　　　　　　　　　　　　　**July 2017 - October 2017**
Android Developer Intern (Java)
● Programmed a 'School Management' software by designing API's and retrieved those applying Retrofit android library in Java.
● Improved efficiency of timetable scheduling software by utilizing genetic algorithms, and incorporated new system modules.

PROJECTS

News App - React JS, Node JS, Android, Flask, JavaScript　　　　　　　**https://news2056934.wl.r.appspot.com/**
● Built a responsive web-app and Android app with RESTful API architecture that curates breaking news from NYTimes, Guardian.
● Added functionalities to display news category-wise, bookmarking of articles utilizing local storage, social media sharing options and filtering specific stories according to user's interest using Bing's Autosuggest API and deployed it on GCP and AWS.

Photo Realistic Images Generation(GANs) - Python, StackGAN
● Devised solutions to optimize reading experience by converting texts into pictures due to which millions of books across the internet can be easily converted to more interesting digital pictorial books.
● Employed GANs to synthesize pictorial books by summarizing relevant paragraphs to generate images using NLTK.

MediConnect - HTML, CSS, Javascript, PHP, MySQL, Python
● Developed a healthcare social networking website loaded with patient's medical history, allowing patients to post medical queries on healthcare discussions and aiding doctors to provide medical expertise.
● Implemented features for patients to manage their medical history, track documents such as reports, insurances, bills, appointments.

FinAid - HTML, CSS, Javascript, Python, Flask
● Designed a website for **Educon Committee (NGO)** to create online scholarship application forms as well as scrutinize meritorious candidates based on decision tree and naive bayes classifier models.
● Stood in top 5 at 'Code For Good' hackathon, held by JP Morgan, which aims to select a group of developers globally to contribute to NGOs by crafting innovative technical solutions.

TECHNICAL SKILLS

● Languages and Frameworks: C, C++ (STL), Python, Java, Matlab, Smithy
● AI and Data Science Libraries: Numpy, Pandas, Scikit-learn, Tensorflow, Matplotlib, Seaborn
● Web and Database Technologies: React JS, Node JS, Express JS, JSON, REST APIs, Android, AWS Lambda, HTML, CSS, JavaScript, PHP, MySQL, Firebase, ElasticSearch

EXTRA CURRICULAR ACTIVITIES

● Won a Silver *Meda*l in Python programming contest held by **HackerRank University CodeSprin**t
● Secured *3rd rank* in C intercollege coding contest - **Technovanza C Programming** in 2017
● Won a Bronze *Medal* in C++ programming contest - **HackerRank World CodeSprint** in 2018
● Stood amongst *Top 10* winning teams from 1000+ participating teams across India in 2018's **ZS Case Study Challenge**
● Ranked in the Top *0.1%* in **TechGig Code Gladiator** programming contest among 250,000+ programmers across India
● Secured *1st rank and scholarship* in **CodeChef Programming Scholarship** university contest held by CodeChef, Directi
● Ranked amongst top 20 students from 500+ applicants at **Morgan Stanley Mentorship Program**.
● Qualified for higher rounds in **Google Code Jam**, **Facebook Hacker Cup**, **ACM ICPC** and other prestigious competitions.