

# Purvam Pujari

Seattle, WA | [purvampujari@gmail.com](mailto:purvampujari@gmail.com) | +1 (323)-949-7365  
[www.linkedin.com/in/purvampujari/](http://www.linkedin.com/in/purvampujari/) | [github.com/PurvamPujari](https://github.com/PurvamPujari) | [purvampujari.github.io](https://purvampujari.github.io)

## EDUCATION

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### University of Southern California, Los Angeles, United States

August 2019 - May 2021

*Masters of Science (MS) in Computer Science*

GPA: 3.87/4

Relevant Courses: Algorithms, Artificial Intelligence, Web Technologies, Databases, Information Retrieval, Game Development

### 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, Distributed System, Object Oriented Programming, Software Engineering, Operating Systems

## EXPERIENCE

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### Google LLC, Seattle, United States

*Software Engineer III*

May 2024 - Present

- Developing a key metrics dashboard using Google-PLX, SQL, Markdown for fulfillment orchestration to track and optimize system performance, benefiting directors, upper management, and on-call teams.

*Software Engineer II*

March 2022 - April 2024

- Led key projects that optimized execution systems such as Machine-Move and Switch-Removal automation in DataCenters, resulting in substantial cost savings + efficiency gains. Developed & implemented solutions using Java, Bash, Borg, Piccolo, Proto that contributed to \$1B in savings in 2024. Received multiple awards for impactful contributions and successful project executions.

### Amazon.com Services, Seattle, United States

*Software Development Engineer*

July 2021 - March 2022

- Developed and implemented services on the inbound automation team, enhancing prediction accuracy and efficiency in carton storage using Java Spring, C, Python, Javascript, SQL, Coral, Redshift, Testng, JUnit, Mockito, and AWS Lambda..

*Software Development Engineer Intern*

May 2020 - August 2020

- Designed, developed, and deployed 'Work Visualizer' software using ReactJS, Elasticsearch & Spring, empowering SDEs + site operators to assess, monitor, debug Amazon Fulfillment Center operations through real-time data aggregation and visualization.

### University of Southern California, Los Angeles, United States

August 2020 - May 2021

*Course Producer - CSCI 360: Artificial Intelligence, CSCI 571: Web Technologies*

- Responsible for holding office hours, monitoring discussion groups, designing assignments and grading submissions (C, Python)

### Milearth Softech, Mumbai, India

July 2017 - October 2017

*Android Developer Intern*

- Designed APIs and implemented student views for 'School Management' software, leveraging Retrofit in Java+XML+Firebase, and enhanced timetable scheduling efficiency by 90% through optimized greedy algorithms.

## PROJECTS

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### News App - React JS, Node JS, Android, Flask, JavaScript

- 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 Image Generation(GANs) - Python, StackGAN, DCGAN, keras, Matplotlib, CNN, RNN, NumPy, Pandas, C++

- 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 and PyNLPI.

### 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

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- Languages and Frameworks: Python, C, Java, C++ (STL), Matlab, Proto, Coral Services
- Web/Database Technologies: React JS, REST, gRPC, AWS Lambda, HTML+CSS, JS, PHP, SQL, Firebase, Elasticsearch, Redshift

## HONORS & AWARDS

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- Won a Silver Medal in Python programming contest held by **HackerRank University CodeSprint**
- Secured 3rd rank in 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 1000+ applicants at **Morgan Stanley Mentorship Program**
- Qualified for higher rounds in **Google Code Jam, Facebook Hacker Cup, ACM ICPC** and other prestigious competitions