

Gopikrishna Pavuluri

Portfolio: gopikrsmcs.github.io

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EDUCATION

- The University of Texas At Arlington** Texas, US
 - Master of Science - Computer Science; Major GPA: 4.0/4.0* *Jan 2022 - August 2023*
 - Courses: Operating Systems, Design and Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Distributed Systems and Cloud Computing*
- Koneru Lakshmaiah Education Foundation** AP, India
 - B.Tech - Electronics and Communication Engineering; GPA: 8.4/10* *July 2013 - Apr 2017*
 - Specialization: Signal Processing*

SKILLS SUMMARY

- Languages:** Java, C++, Python, SQL, Java Script
- Frameworks:** Scikit, Spring Boot
- Tools:** Kubernetes, Docker, GIT, MongoDB, MySQL, Kafka, Micro Services
- Platforms:** Linux, Mac, Web, Windows, Arduino, Raspberry, Google Cloud Platform(GCP), AWS

WORK EXPERIENCE

- Novopay Solution Pvt Ltd (A ProductBased Startup)** India
 - Software Development Engineer-II, Backend (Full-time)* *Aug 2020 - Dec 2021*
 - Ownership:** Built 10+ end to end features for the agency banking team in just 4 months.
 - Rest Api's :** Created 50+ scalable and distributed rest api's for the web and mobile app using **Tech Stack:** Java, Spring boot, Microservices, MySQL in span of 4 months.
 - Hiring and Training:** Interviewed candidates for SDE-I, II and III roles, delivered 12-weeks training on spring framework, it helped colleagues to switch to backend quickly.
- Tracxn Technologies Pvt Ltd. (A ProductBased Startup)** India
 - Software Engineer , Full Stack (Full-Time)* *Sep 2019 - Aug 2020*
 - Architecture:** Developed the configuration based internal rest api framework, it reduces the developers effort by 40% while creating the rest api's.
 - Distributed Rest Api's:** Created rest api's which handles more than 16M+ requests daily and stores the information of 200M+ companies world wide. **Tech Stack:** Java, Spring boot, Micro-Services, MongoDB, MySQL and Kafka.
- Wipro Technologies (MNC)** India
 - Software Engineer , Charles-Schwab (Full-Time)* *July 2017 - Sep 2019*
 - Automation:** Automated entire client central application functionality and reduced the manual testing effort by 80% .

ACADEMIC PROJECTS

- Multi-Threaded Sync-File System (Distributed Systems, Remote Procedure Communication):** Implemented synchronized service like drop-box/google drive from scratch, updates in client files will be synced with server files for every minute. Tech: Java, Remote Method Invocation(RMI).
- Implement Linear and Logistic Regression Model from Scratch (Machine Learning, Python):** Implemented the classification and regression algorithm from scratch without using any libraries and achieved a classification accuracy of 98% and regression accuracy of 96% with gradient descent for iris data set.
- Implement Neural Network Library from Scratch (Machine Learning, Neural Network and Python):** Created an interface for neural network library from scratch, it helps user to add the number of layers, nodes in each layer and choice of activation functions for each layer easily. Currently the library has a support for the Sigmoid, Softmax and Tangent activation function.

PUBLICATIONS

- A Bidirectional People Counting Algorithm in Crowded Areas(Computer Vision, Image Processing):** Proposed and implemented a new algorithm to count the people in crowded areas and achieved an accuracy of 96% Tech: OpenCV, Python; SSN: 1314-3395.
- Carrier Communication Through Power Lines(Signal Processing):** Established the voice communication through electric power cables and decoded the senders input at the receiver end. SSN: 2349-5812 .

HONORS AND AWARDS

- Received Outstanding Employee Award at Novopay - June, 2021
- Secured Global Rank 9th in Codechef Feb Long Programming Contest- Feb 2021
- Qualified for ACM-ICPC Regional Programming Contest- Dec, 2017
- Won Silver Medal in World Code Sprint Programming Contest- Mar, 2017
- Qualified for TCS-CODEVITA Round2 Aug, 2016

VOLUNTEER EXPERIENCE

- Mentor for The North Texas Largest Hackathon, HackUTA-2022** Arlington, USA
 - Mentored teams in idea formation and helped in fixing tech-stack issues during live hackathon .* *Oct, 2022*
- Coding Community Lead at ACM-ICPC Club at KLU** Vijayawada, India
 - Mentored the students & lectured on DSA impacting over 500 students.* *July 2016 - April 2017*