

Pininti Vijay Reddy

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EDUCATION

University at Buffalo, State University of New York, Buffalo, NY, USA

Aug 2023 – Present

- *Master of Science in Computer Science and Engineering*

Courses: Machine Learning, Design and Analysis of Algorithms, Computer Security, Data Intensive Computing

Vidya Jyothi Institute of Technology, Hyderabad, Telangana, IND

Aug 2016 – Aug 2020

- *Bachelor of Technology in Computer Science and Engineering*

Courses: Data Structures, Database Management Systems, Java Programming, Operating Systems, Web Technologies

SKILLS

Programming Languages

Python, Java, C, C++, Dataweave, ML datasets, ML algorithms, Deep Learning

Scripting Languages

HTML, CSS, JavaScript, JSON, XML

Database Management

Structured Query Language (SQL)

Version Control

Git, Stash

WORK EXPERIENCE

Capgemini, Hyderabad, Telangana, IND

Sep 2020 – May 2023

Senior Analyst

- Designed and developed new features such as customer creation, order provisioning, addition of payment methods, payments, rolling Email and SMS notifications, etc. for Prepaid and Postpaid customers in BSS systems.
- Designed and developed dynamic e-sim generator by integrating Java and MuleSoft.
- Designed solutions for number port-in and port-out functionalities for a telecommunication client in Costa Rica.
- Introduced a resolution to ensure that an application is compatible with both cloud-based and on-premises systems.
- Developed several functionalities such as retrieving and updating a customer's credit score, retrieving the debt amount of a customer and service details that the customer has subscribed to.
- Initialised the automation of database changes using rest API to reduce the manual efforts and increase the productivity.
- Developed a custom plugin using Maven archetype to generate the project structure dynamically thereby reducing the manual efforts by at least 20%.
- Mentored nearly 70 young professionals within a year, ensuring their comfort and alignment with project expectations.

Capgemini, Hyderabad, Telangana, IND

Jan 2020 – May 2020

Software Engineering Intern

- Designed and developed an API that dynamically displays all the API information present on on-premise or cloud servers.
- Devised a Mule application that synchronizes Salesforce Account and Contact objects with a MySQL database and vice-versa. We can trigger the synchronization process either manually or else it will be triggered automatically by an event-based scheduler.

ACADEMIC PROJECTS

Enhancing Road Safety Through Predictive Modelling of Motor Vehicle Collisions

Aug 2023 – Dec 2023

- Designed and developed a python application to predict the severity of an accident based on several factors like borough, crash time, number of people killed, number of people injured and so on.
- Established the accuracy by applying diverse algorithms such as Naïve Bayes, K-Means Classifier, Random Forest Classifier, K-Neighbors Classifier, and several others.

Online Advertisement System

Aug 2019 – Dec 2019

- Created a web application that allows users to post, edit, view and delete advertisements. Implemented wish list, advanced search and sorting features. The application uses Microservices architecture, spring boot, spring cloud, Thymeleaf and Oracle database.

VOLUNTEER EXPERIENCE

Student Platform for Engineering Education Development, Vice Chairman

Sep 2017 – Sep 2019

- Coordinated a regional student forum fostering collaboration among engineering students from diverse backgrounds and colleges to collectively address challenges in several sectors like development in education, agriculture sector of rural areas.

Street Cause, Mentor

Aug 2016 – Aug 2019

- Contributed to an orphanage by providing essential amenities, such as installing tube lights in the hostel and ensuring access to nutritious meals, significantly benefiting the children.
- Mentored and taught school's state board curriculum in Science and Math to a set of 30 underprivileged kids.