

# Gunturu Phaneendra Babu

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## PROFESSIONAL EXPERIENCE

### Machine Learning intern, Verzeo

08/2021 – 11/2021

Bangalore, IN

- As a machine learning intern, I gained expertise in various algorithms, including RandomForestRegression, Decision Trees, SVM, and KNN.
- I put this knowledge to work on a project that predicts Diabetes in women, where I fine-tuned the model for better accuracy. This experience demonstrates my practical skills in machine learning and problem-solving.

## SKILLS

- Languages: Python, C, C++, Java, MySQL
- Web Technologies: Django, Flask, Html, CSS, Java Script(Basic), ReactJs
- Others: Machine Learning, Data Visualization, Git, Github, Linux, Mac, Windows

## PROJECTS

### Blog Application, Web Development

- Designed and developed a web-based platform enabling users to perform essential actions, including creating, modifying, and removing their blog entries, while also facilitating access to others' posts.
- Implemented user account functionality, requiring users to register to share their ideas, manage their profile information, and access their posted content.
- Incorporated advanced filtering capabilities, enabling users to search and sort blog posts based on content or title.

### Diabetes Prediction, Machine Learning

- This project is designed and developed specifically for women.
- I employed Matplotlib, Seaborn, and Plotly Express for visualizing data trends and distributions of various features, including Age, Pregnancies, Insulin, Glucose, BMI, and Blood Pressure.
- In the analysis phase, I utilized different machine learning models, including Decision Trees and Random Forests, and compared their performance. Among these models, the Support Vector Machine (SVM) achieved an impressive accuracy rate of 80%.

### Portfolio Website, Web Development

- The primary goal of this project is to present my portfolio, featuring my work, projects, development expertise, and accomplishments.
- Within this website, I've integrated elementary machine learning projects that can be executed online by providing input parameters to the models.
- By integrating projects, presenting a comprehensive portfolio, and showcasing development skills, this project serves as a powerful testament to my capabilities and achievements in the field of web development and machine learning.

### Escrow Project, Blockchain

- An escrow system is implemented through a smart contract, serving as a secure payment facilitator for transactions involving parties with limited trust in each other.
- In this project, we leveraged the Polygon blockchain, a Layer 2 solution on the Ethereum network. Polygon offers reduced transaction costs compared to the Ethereum Layer 1 blockchain, all while maintaining a high level of security.
- Its Layer 2 architecture ensures efficient utilization of computational resources, distinguishing it from traditional Layer 1 blockchains.

## ACHIEVEMENTS

Secured a rank of 4696 in Google Kick Start round - G, Google	10/2022
Secured a rank of 1770 in TCS Codevita season 10, TCS	05/2022
Secured global rank of 24 in Codechef April LC-2, Codechef	04/2022
Certified as outstanding intern in Machine Learning, Verzeo	11/2021

## EDUCATION

### Master's in Computer Science, IUPUI

08/2023 – present

IN, United States

### Bachelor Of Technology, Bharath University

2019 – 2023

CGPA - 8.9/10

Chennai, India