

Pujith Veeravelli

Atlanta, GA | 678-865-2932 | pujithvi.github.io | pveeravelli3@gatech.edu

EDUCATION

Georgia Institute of Technology

B.S. Computer Science, B.S. Mathematics

May 2025

3.97 GPA

PROFESSIONAL EXPERIENCE

Automated Algorithm Design at Georgia Tech

August 2022 – Present

Undergraduate Researcher

Atlanta, GA

- Automated scoliosis detection in patient x-rays using genetic programming and ML, achieving an accuracy improvement of 25% in Cobb angle calculation, enhancing early diagnosis and treatment at Shriner's Hospital

MathWorks

May 2023 – August 2023

Software Engineer Intern

Natick, MA

- Developed client-side and server-side code (Go, HTML, JS) for robust logging mechanisms to capture and store user interactions, enabling data-driven decision making for the development of the Design Cloud product
- Implemented a dashboard interface for developers to provide insightful analytics on product usage, leading to a 10% improvement in product development efficiency

Ford Motor Company

May 2022 – August 2022

Software Engineer Intern

Dearborn, MI

- Utilized Java, Kotlin, and FOP to enhance the Ford Credit PDF invoices to provide disclaimers/invoice backers in line with the paper invoice (improved customer satisfaction scores by 12%)
- Added a payment slip to the Ford Credit PDF invoice (increased mail-in payments by 16%) and modified the Ford Pro invoice template to enhance readability

Oracle Corporation

January 2021 – May 2021

Software Engineer Intern

Cumming, GA

- Leveraged Python, SQL, and front-end frameworks to develop an application that calculates, generates, and emails PDF invoices to support billing in Oracle Utilities
- Coordinated team responsibilities, delegated assignments to interns, and presented IoT based solutions to execs

Chesstronics

July 2020 – December 2020

Software Engineer Intern & Senior Instructor

Cumming, GA

- Used HTML/CSS/JS to maintain and develop new webpages for Chesstronics' websites (increased traffic by 15%)
- Developed an online learning platform using a full-stack tech stack that allows students to complete chess puzzles, participate in tournaments, and analyze games, reaching over 300 students
- Created lesson plans, instructed students in Java and Python, and trained first-time robotics instructors

SKILLS

Programming Languages: Java, Python, JavaScript, C, Kotlin, Flutter & Dart, HTML/CSS, Matlab, SQL, Go

Libraries & Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Tkinter, Tensorflow, React.js, Node.js

Developer Tools: Git, Google Cloud Platform, Jenkins, Postman, PCF, Android Studio, Bash, Linux, LaTeX, Netlify

PROJECTS

Animend - Anime Recommendation System

July 2022

Python, APIs, KNN

- System that uses machine learning (k-nearest neighbors algorithm) to recommend Anime to users based on their viewing history, preferred genres, and ratings

Crypt - Cryptocurrency Trading Bot

May 2022

Python, APIs

- Built a crypto bot that continually automates trading by using popular technical indicators (RSI & MACD)
- Three steps: Fetch the live data, apply the trading algorithm, and execute the trade

WriteRight - Writing Suggestions WebApp

October 2021

HTML/CSS, JavaScript, Python, APIs

HackGT-Atlanta, GA

- Created a web application using React.js and utilized OCR algorithms to convert images of handwriting to text
- Called a grammarly-type API to analyze the converted text and return suggestions to improve the user's text

AlgVis - Sorting and Pathfinding Visualizers

September 2021

JS/HTML/CSS, React.js