Pujith Veeravelli

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EDUCATION

Georgia Institute of Technology | May 2024
B.S. Computer Science, B.S. Mathematics, M.S. Computer Science | *4.0 GPA*
- Relevant Coursework: Data Structures/Algorithms, Computer Architecture, Objects and Design, Linear Algebra

PROFESSIONAL EXPERIENCE

Undergraduate Researcher | August 2022 – Present
Automated Algorithm Design at Georgia Tech | *Atlanta, GA*
- Use Genetic Programming and ML to create an automated method that starts with the best human algorithms and then dispassionately develops hybrid algorithms that outperform existing methods

Software Engineer Intern | May 2022 – August 2022
Ford Motor Company | *Remote*
- 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 9%)
- 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

Software Engineer Intern | January 2021 – May 2021
Oracle Corporation | *Remote*
- Leveraged Python, SQL, and front-end frameworks to develop an application that calculates, generates, and emails PDF invoices to support billing in the utility industry
- Coordinated team responsibilities and delegated programming assignments to interns
- Shadowed industry professionals and proposed technology & presented IoT based solutions Oracle executives

Software Engineer Intern & Senior Instructor | July 2020 – December 2020
Technoworld Consultants/Chesstronics | *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
- Created lesson plans, instructed students in Java and Python, and trained first-time robotics instructors

SKILLS

Programming Languages: Java, Python, C, Kotlin, Flutter & Dart, HTML/CSS, Matlab, SQL, JavaScript, FTL/XSL
Libraries & Frameworks: Pandas, NumPy, Matplotlib, Tkinter, Tensorflow, React.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 users Anime based off 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

AlgVis - Sorting and Pathfinding Visualizers | March 2022
HTML/CSS, JavaScript
- Designed interactive web applications using HTML/CSS/JS and React.js that allows users to visualize Dijkstra's shortest path and various sorting algorithms
- Sorting demonstrated through colored bars and pathfinding shown in a grid format

WriteRight - Handwriting to Text 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 an external grammarly-type API to analyze the converted text and return suggestions/corrections to improve the user's text