Pavan Namani

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Software Engineer
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Objective

An entry- level software engineer yearning for an opportunity to work alongside others in a team environment. I'm looking for opportunities involved in App Development and/ or Web Development. With my international status, I'm confident I can fit in any environment given to me. Quite interested in the future of Artificial Intelligence and looking forward to impacting it personally.

Education

Georgia Institute of Technology, Atlanta, GA   May 2019 – May 2021

- Bachelor of Computer Science, Highest Honors, GPA: 3.8/ 4.0
- Specialization: Artificial Intelligence from Systems/Architecture & Intelligence
- Relevant Coursework: Game AI, Machine Learning, High Performance Computer Architecture, Intro to Software Engineering, Design of Operating Systems, Processor Design, and Data Structures & Algorithms

Projects

Concrete 5-Stage Pipeline, Atlanta, GA   April 2021

- Constructed a successful and working pipeline that is able to execute a specified ISA's instructions with stalling, and data forwarding in place.
- Added 2-bit branch predictor that predicts the direction in regard to the current PC and corrects itself on mistakes and progresses smoothly on successes.
- Verified the pipeline using external tools alongside various tests and simulations in Vivado and Vitis HLS.
- Implemented in Verilog, and utilized Xilinx Vivado, Xilinx Vitis HLS, Jupyter Notebook, and more.

BGCMA Web Registration Application, Atlanta, GA   December 2020

- Replaced the existing paper- heavy registration process with an online portal for parents to enroll their children to various BGCMA's services and location- specific clubs.
- Created a login and registration interfaces with encrypted data storage system to ensure secure data transfer from the parent's portal to the administrator's portal.
- Implemented a secure and Office-365 connected- administrator portal alongside the parent portal, which allows for the administrator to not only service the enrollment application but review the application for flaws and advice for satisfactory results, which are sent to the parents.
- Negotiated with consumers/ users, and clients to ensure a satisfactory product has been achieved.
- Implemented in JavaScript, and utilized React, Node.js, SemanticUI, Firebase, Trello, Visual Studio, and more.

Skills

Languages: C, C++, Python, Java/ Kotlin, C#, JavaScript, HTML & CSS, Verilog, VHDL, Go, R, Markdown, SQL
Technologies: Visual Studio, Android Studio, Jupyter/ Python Notebook, WSL (Windows Subsystem for Linux), Atom, Xilinx Vivado, MongoDB, Node.js, React, NumPy, Unity Launcher, AWS/Cloud
Interests: Video Editing, Tennis, Swimming, Running, Traveling, Music, Basketball, PCs & Desktops