Vennila Pugazhenthi

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EDUCATION	**Bachelor of Science in Computer Science** **GPA: 3.74/4.00**

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Bachelor of Science in Computer Science   **GPA: 3.74/4.00**
The Pennsylvania State University, University Park, PA
Dean's List: 2017- 2021
Graduated: May, 2021

SKILLS

Programming Languages: C#, C, C++, Java, Python, Rust, Racket
Frontend: HTML, CSS, JavaScript
Backend: Django, Flask, MongoDB, MySQL
Frameworks: ASP.NET Core, Angular, Spring Boot, React
App Development: React Native, Flutter, Android Studio
Cloud Computing: AWS, Azure
Embedded Programming: Verilog, MATLAB
Data Science: TensorFlow, Keras, PyTorch, Brian
Streams API: Apache kafka

WEBSITE

https://vennilap.com/

PROJECTS

GitHub: https://github.com/VennilaPugazhenthi
- A chrome extension which adds search functionality to any website.
- PocketLawyer: A web app which acts as a smart voice recorder and text transcriber. **[2nd place at HackPSU & Winner of Nittany Ai Alliance Challenge]**

WORK EXPERIENCE

Software Engineer
Starship Health Technologies, LLC   Jan 2021-Present
- Developing Android and iOS mobile applications using React Native for Navigational Assistance to Patients.
- Contributing to the development, testing, and extension of various application modules.
- Interacting with other technical teams to obtain the desired outcomes.

RESEARCH EXPERIENCE

Equity REU Undergraduate Research Assistant
The Pennsylvania State University, University Park, PA   Aug 2019-Aug 2020
- Developed an unsupervised Spiking Neural Network (SNN) using Spike-Timing-Dependent Plasticity.
- Enhanced the data throughput and accuracy of SNN in the MNIST dataset through mini-batch processing.

Multi-Campus REU Undergraduate Research Assistant
The Pennsylvania State University, University Park, PA   May-Aug 2019
- Conducted material research in improving self-healing property of spinel ceramics utilizing recycled lamp glass.

LEADERSHIP EXPERIENCE

Women in Engineering Program Study Group Facilitator
The Pennsylvania State University, University Park, PA   Jan 2020-Dec
- Served as a mentor for freshmen and sophomore engineering women
- Assisted study group members to understand concepts in a Physics course.

ACHIEVEMENTS

Recipient, HackPSU (2nd place) and Nittany Ai Challenge (1st place)

Recipient, Penn State Women in Engineering "The Most Innovative Design" 2019

Recipient, Penn State University "The President's Freshmen Award" 2018