

Vennila Pugazhenth

vkp5086@psu.edu ♦ 531 Highspire Road, Glenmoore, PA 19343

EDUCATION	Bachelor of Science in Computer Science The Pennsylvania State University, University Park, PA Dean's List: 2017-Present Anticipated Graduation: May 2021	GPA: 3.72/4.00
SKILLS	Programming Languages: C#, C, C++, Java, Python, Rust, Racket Frontend: HTML, CSS, JavaScript Backend: Django, Flask, MongoDB, MySQL Frameworks: ASP.NET Core, Angular 2, 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://vennilapugazhenth.github.io/	
PROJECTS	GitHub: https://github.com/VennilaPugazhenth <ul style="list-style-type: none">• 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 Intern Starship Health Technologies, LLC Jan 2021-Present <ul style="list-style-type: none">• Developing Android and iOS mobile application using React Native for Navigational Assistance to Patients.• Contributing to 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Served as a mentor for freshmen and sophomore engineering women• Assisted study group members to understand concepts in a Physics course.	
ACHIEVEMENTS	Recipient, HackPSU (2 nd place) and Nittany Ai Challenge (1 st place) Recipient, Penn State Women in Engineering "The Most Innovative Design" 2019 Recipient, Penn State University "The President's Freshmen Award" 2018	