

301 Lippencott St. Apt. 1024 Knoxville, TN 37920
ankushp.com | ap@ankushp.com | (901) 651-8105

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| Education | <p>The University of Tennessee Knoxville, TN Bachelor of Science, Computer Science and Mathematics Master of Science, Computer Science</p> | <p>GPA: 3.81 Expected Aug 2022</p> |
| Work Experience | <p>Graduate Research Assistant for Neuromorphic Computing <i>TENNLab – neuromorphic.eecs.utk.edu Dr. James S. Plank</i></p> <ul style="list-style-type: none">• Designing simulations that are used for training and testing neuromorphic algorithms• Implementing shell scripts for parameter selection in training and for bug testing the framework• Documenting software for usage and future development purposes <p>Graduate Teaching Assistant <i>The University of Tennessee Knoxville, TN</i></p> <p>CS494/594 – Advanced Data Structures & Algorithms CS202 – Data Structures & Algorithms I CS302 – Data Structures & Algorithms II CS465/565 – Databases/Scripting Languages</p> <ul style="list-style-type: none">• Holding weekly office hours to help students with labs and course concepts• Leading weekly lab sessions and providing guidance to students• Grading homework, labs, and exams in coordination with other teaching assistants <p>AT&T Software Engineer Intern</p> <ul style="list-style-type: none">• Built a REST API to automate audits• Interacted with over 50 million points of data stored in a Cassandra database• Designed queries to provide audits in near real time• Developed the API using Java, Spring Boot, and Postman | <p>May 2019 – Present</p> <p>Aug 2019 - Present</p> <p>Fall 2021 Spring 2020, Fall 2021 Fall 2019, Fall 2020 Spring 2020</p> <p>June 2021 – Aug 2021</p> |
| Projects | <p>Co-Founder & Project Manager of Citiwrks <i>Citiwrks LLC Knoxville, TN</i></p> <ul style="list-style-type: none">• Developed mobile app for City of Knoxville to manage their road repairs• Implemented ticket system for routing repairs within an interactive dashboard• Organized meetings with clients, lawyers, and advisors• Achieved 30 daily users and made \$7000 in revenue• Technology used: JavaScript, Angular, Ionic, Firebase, HTML, CSS <p>PyKin <i>Patient mobility tool VolHacks IV</i></p> <ul style="list-style-type: none">• Engineered a Raspberry Pi hardware hack that tracks patient mobility using a gyroscope and sends data to a dashboard via Bluetooth• Integrated read and write over RFCOMM for displaying gyroscope data• Technology used: Python, Raspberry Pi, Bluetooth | <p>Mar 2019 – Aug 2020</p> <p>Sept 2020</p> |
| Technical Skills | <p>Languages C/C++ Python JavaScript Java Shell Scripting SQL HTML/CSS Industry Machine Learning/AI TensorFlow Agile Leadership Teaching Tools Git Linux Visual Studio Photoshop Excel 120+ WPM</p> | |
| Activities | <p>Asian American Association <i>Senior Advisor (21-22), President (20-21), Vice President (19-20), Treasurer (18-19)</i></p> <ul style="list-style-type: none">• Organizing cultural events such as the 865 Night Market (1000+ turnout)• Serving on UTK MSL hiring to bring in new advisors and UTK SPSF council to approve allocation of student funding for campus events• Maintaining the organization's website and transactions/accounts | <p>Aug 2017 - Present</p> |