

Pravallika Kambhampati

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EDUCATION	University of Minnesota - Twin Cities <i>Master of Science in Computer Science</i>	Minneapolis, MN, United States September 2023 - May 2025
	Gayatri Vidya Parishad College of Engineering <i>Bachelor of Technology in Computer Science (CGPA 8.87/10)</i>	Visakhapatnam, AP, India June 2022
	Sri Chaitanya Junior College <i>Intermediate Education (Percentage 96.6)</i>	Rajahmundry, AP, India June 2018
SELECTED COURSEWORK	Current Graduate Courses Machine Learning Fundamentals, Introduction to Data Mining, Software Engineering I Undergraduate Courses Computer Programming through C, Data Structures, Design and Analysis of Algorithms, Artificial Intelligence, Image Processing, Cloud Computing, Big Data Analytics	
TECHNICAL STRENGTHS	Research Interests Deep Learning, Computer Vision, Data Science Languages Python, C, Java, JavaScript, HTML, CSS Databases MySQL, PostgreSQL, MongoDB Libraries and Frameworks Scikit-Learn, Tensor Flow, Flask, ReactJS, Django Others Git, GitHub, \LaTeX , Bash Scripting	
EXPERIENCE	Network Consulting Engineer, Cisco Systems, Inc., Routing and Switching, Software-Defined Access (SDA), Customer Experience, Machine Learning <ul style="list-style-type: none">Leveraged technical expertise to successfully deliver BCS 3.0 deliverables, exceeding client expectations, and optimizing networks and IT systems for maximum performance and reliability.Demonstrated exceptional collaboration skills by closely engaging with clients to understand their unique business requirements and design tailored solutions, showcasing a strong commitment to enhancing customer experience.Contributed and submitted a patent based on Generative Adversarial Networks for review.Lead a cohort of interns on a project <i>Similar TAC Cases Recommendations</i> which utilized Natural Language Processing (NLP) techniques and Cisco APIs to identify and categorize analogous customer tickets. Technical Undergraduate Intern, Cisco Systems, Inc., Cisco Certified DevNet Associate, Cisco Certified Network Associate <ul style="list-style-type: none">Designed and implemented a dashboard for an internal software tool <i>Case Escalation Tracker v2</i>, enhancing the process of managing and monitoring customer support cases.Attained DevNet and CCNA Certifications with excellence.Obtained industry-specific expertise via immersive on-the-job training, equipping me with the essential skills to excel in Business Critical Services (BCS) at Cisco. Full stack Intern, upCalibre ReactJS, MongoDB, Material UI <ul style="list-style-type: none">Implemented multiple screens from scratch on the official website (www.upcalibre.com) through the use of React and Material UI as part of the MERN stack.	Aug 2022–Aug 2023 Feb–Jun 2022 Sept–Oct 2020

Global Intern, TakenMind Organisation

Sept–Oct 2019

Python, R, SQL, Scikit learn

- Developed a range of data science projects utilizing Python and Scikit-learn.

SELECTED
PROJECTS AND
PUBLICATIONS

GAN-based Customer Experience Network Comparison and Pain Point Tracking | Patent Pending
Conditional Generative Adversarial Networks

Added a feature of quantitative and relative scoring of pain point issues and compared the existence of pain point issues quantitatively in new hardware or software under consideration w.r.t those already in the network respectively by using conditional GAN.

Automated System To Limit Covid-19 Using Facial Mask Detection | Undergraduate Project
Convolutional Neural Networks, PostgreSQL, Twilio API

Built a real-time video-based machine learning model utilizing MobileNetV2 architecture to detect mask-wearing and identify individuals using a face-recognition model. Integrated database to extract phone numbers and alert them via Twilio API.

Automated Resume Building Tool

ReactJS, NodeJS

Built an automated tool to generate custom CVs by integrating ReactJs and NodeJs.

Like Wiki

Django, MongoDB

Built a Wikipedia-like online encyclopedia using Django and HTML5.

WordOfTheDay bot

Python, APIs

Built a Twitter bot for fun which tweets a random word daily along with its meaning.

EXTRA
CURRICULAR
ACTIVITIES

Mixed Doubles Winner, Table Tennis - Cisco Professional Services Super Series March 2023

Throwball Captain - GVP Girls Team June 2018 - 2020

Technical Writer - Medium May 2020 - Present

NGO Volunteer - WeR4Help May 2018 - 2022