

Kaushik Narayan Ravishankar

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SUMMARY

Computer Science graduate student with internship experience in web development and project experience in networks and machine learning, seeking internship opportunities in summer 2024.

EDUCATION

M.S. Computer Science	Expected May 2025
Arizona State University, Tempe, AZ	
B.E. Computer Science and Engineering	June 2023
CEG, Anna University, Chennai, India	9.12 out of 10 CGPA
Relevant coursework: DBMS, OOPS, full-stack development, cloud computing, software project management.	

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C++, Java

Front-End: HTML, CSS, ReactJS, Material UI

Tools, Databases, and OS: NodeJS, ExpressJS, PostgreSQL, AWS, PyTorch, Git

PROFESSIONAL EXPERIENCE

RootQuotient Technologies, Chennai, India: Software Developer Intern	05/2022 - 07/2022
<ul style="list-style-type: none">Developed interactive user interfaces for client applications using ReactJS, TypeScript, and the Ant Design libraryImplemented a comprehensive admin dashboard for a client's banking administration application, following MVC patterns for seamless backend integrationActively contributed to bug fixes and enhanced an internal package by adding API documentation	

RELEVANT PROJECTS

RL-based TCP congestion control and evaluation under adversarial attack, Capstone Project	Spring 2023
<ul style="list-style-type: none">Programmed adaptive network congestion control mechanisms using deep Q-learning and PPO neural networks, which were 2% more performant than existing algorithmsDemonstrated that performance under adversarial attacks was dampened by 40%Utilized the ns-3 network simulator, TensorFlow and OpenAI's Gym framework for reinforcement learning	
Network Monitoring System, Class Project	Fall 2021
<ul style="list-style-type: none">Developed a network monitoring tool to monitor live network traffic, devices, and connectivityDesigned a GUI tool to interface with the network layers using the PyQt and scapy libraries in Python	
StackOverflow Question Tagging, Class Project	Fall 2021
<ul style="list-style-type: none">Trained and tested an ensemble classifier to identify topic tags for questions on the StackOverflow forumBuilt with the scikit-learn framework, Stack Exchange data dumps and live scraped data to achieve 95% accuracy	

EXTRACURRICULAR EXPERIENCE

CEG Tech Forum, Chennai, India	07/2022 - 07/2023
<ul style="list-style-type: none">Headed a 20-member strong technical operations team as the Lead Developer, Sysadmin, and Project ManagerSpearheaded multiple web apps developed for various purposes, such as a custom ERP mobile app, admin dashboards, and the flagship website for Kurukshetra, the international techno-management fest of CEGLed a technical summit on 'Innovation and Transformation: AI, Autonomous Systems, and Disruptive Trends' featuring projects by local innovators and keynotes from BNY Mellon, Microsoft, and startups	
National Service Scheme, Chennai, India	11/2021 – 10/2022
<ul style="list-style-type: none">Volunteered as Secretary of CEG NSS Unit VIIIOrganized cleanliness campaigns, awareness rallies, and the annual village development campConducted a 3-day city-wide waste collection and awareness drive in collaboration with AWCCEM, Chennai	