

LAKSHMAN KRUTHIK MANUBOLU

Corvallis, OR | +1 (458) 272-4928 | kruthikmanubolu@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

TECHNICAL SKILLS

- **Languages and Frameworks** - Python, Java, C++, C, JavaScript, HTML, CSS, SQL, Bash, Haskell, OpenGL
- **Tools** - Git, Jira, Pandas, Numpy, Scikit, OpenCV, React, Angular, TypeScript, Node.js, Express.js, MongoDB, Google Firebase, Cisco Packet Tracer
- **Paradigms** - Agile, Machine Learning, Deep Learning, NLP, Data Structures, Linux, PowerShell, Responsive Design, Version Control
- **Soft Skills** - Adaptability, Problem Solving, Teamwork, Mentoring, Agile Development, Independent Work, Communication

EDUCATION

Oregon State University

Master of Engineering in Computer Science

- Location: Corvallis, Oregon, USA

Sep 2023 - Mar 2025

GPA: 3.91

Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science

- Location: Bengaluru, India

July 2017 - May 2021

CGPA: 7.26

WORK EXPERIENCE

Tern Systems

Front End Developer

New York, United States

March 2025 - Present

- Built and optimized modern, scalable web applications using Next.js and TypeScript, improving performance and SEO across multiple pages.
- Enhanced UI consistency and responsiveness by implementing reusable components with Tailwind CSS, contributing to a 30% faster development cycle.
- Clean Git and Jira workflows maintained using feature branches, PR templates and squash merging; improved team collaboration and reduced merge conflicts by 40%.
- Created well-documented Pull Requests and participated in code reviews, leading to a 25% reduction in post-deployment issues.

BDFL Technologies/10x Academy

Academic Mentor

Hyderabad, Telangana, India

Nov 2022 - Sept 2023

- Mentored students in UI Development and Data Structures, enhancing problem-solving skills by 15% weekly.
- Assigned and evaluated web development and ML projects for practical application.
- Led a team to analyze student performance, addressing weaknesses to improve competency.

Tata Consultancy Services

Application Developer

Bengaluru, Karnataka, India

July 2021 - Aug 2022

- Developed a UX TV app for Comcast with LightningJS to enhance the user interface.
- Built a testing app (MIDAS) with React JS and Express JS for TV app testing.
- Analyzed Xfinity set-top box performance with Bash, improving efficiency by 50%.

PROJECT EXPERIENCE

Shopeezy – E-commerce Web Application (Next.js, TypeScript, Prisma, PostgreSQL))

May 2025

- Shopeezy is a sleek, full-stack shopping platform offering seamless product browsing, user authentication, and cart management. Built with TypeScript and Next.js for optimized performance, it uses Prisma with NeonDB/PostgreSQL for scalable data handling. Integrated secure login via NextAuth and deployed on Vercel for fast, global access.

SpendSmart - Expense Tracker Web App (MERN Stack)

Feb 2025

- SpendSmart is a contemporary, intuitive cost monitoring tool. With use of a 3D financial overview chart, expense/revenue tracking, and other tools, users can effectively manage incomes and expenses.

Analysis of Membership Inference Attack

Feb 2024

- A study evaluates metric-based attack models against the MemGuard defence method using the Purchase 100 dataset. Results show a significant reduction in attack accuracy, challenging effectiveness of attacks.

Plant Disease Detection Using Image Processing

May 2021

- Created a software which can find diseases in plants in early stages to reduce crop damage by using image processing techniques and deep learning techniques with Python, Keras, and Tensorflow to define neural networks.

Drowsiness Detection System For Drivers

Jan 2020

- Designed a system which gives warning messages to the drivers to ensure the safety by eye blinks and eye closure. The Haar Cascade Classifier has been used to detect the face and eyes of the driver.

Airline Reservation Systems

Sep 2018

- Depicted the web application through HTML, CSS and Javascript. The user will buy the tickets from a particular airline on a certain date and pay as per the ticket. Firebase is utilized as the database.

Stock Management Systems

Sep 2019

- The interface using HTML and CSS between the stock manager and the user is depicted. User will buy items from stock and pay as per the list. MySQL is utilized as the database, and connectivity is done using PHP.