Pranav Krishna U

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Profile

A versatile full-stack developer proficient in Python and with foundational knowledge of VR and web . Complemented by expertise in HTML and CSS. Renowned for crafting innovative solutions and demonstrating excellent communication skills, both verbally and in writing.

Education

Aug 2021 – Aug 2025 Kollam, India	**Bachelor of Technology in Computer science (CGPA:8.3),** *POSITION CLASS REP* Amrita Vishwa Vidyapeetham
2020 – 2021 Trivandrum, India	**Senior Secondary (GPA:9.1)** Jyothis Central School
2018 – 2019 Trivandrum, India	**Secondary School (Percentage :93.4)** Jyothis Central School

INTERNSHIPS

Jan 2023 – Jul 2023 Kollam, India	**Virtual-Reality Developer,** *AMMACHI Labs* Developed a drone simulator app on unity and deployed it on the web also a collaborative assembly on scaffolding on virtual reality.
	Volunteering, *College* At Seva Programs, Streamlit student ambassador

Projects

Mar 2024 – Apr 2024	**Bro Code,** *Ongoing* • A platform built with **SQL, React, and Node.js** for group coding showdowns. It enables collaborative coding sessions among friends, allowing users to join rooms, select topics, and set difficulty levels. Together, they tackle challenges, followed by reviewing each other's code. Prepare for exhilarating group coding battles and collective growth!
Sep 2023	**Sanjayan (A personal guide for blind people)** A **web app** aiding blind individuals to navigate public spaces independently, leveraging various models and APIs for environment and people recognition, with alerting features including SOS messages. Designed to assist those lacking support or resources for daily activities.
Jul 2023 – Jul 2023	**COLLABORATIVE-SCAFFOLDING-ASSEMBLY SIMULATOR(C#),** *International* • Addressed safety risks in construction • **VR system** and app for risk prevention.
Nov 2021 – Dec 2021	**DATA STRUCTURE VISUALISER,** *COURSE PROJECT & Team Leader* • Led a team in developing **React**-based visualizations for data structures.
Aug 2021 – Aug 2021	**DYSLEXIA DETECTION,** *NATIONAL LEVEL GOVT'S HACKATHON	WINNING TEAM* • Achieved 90% dyslexia detection accuracy using **Azure Cognitive Services and decision tree machine learning**.
Aug 2021 – Oct 2021	**MULTI DISEASE PREDICTION(Machine learning)** • Enhanced **Web deployed** health tracking using machine learning, predicting diseases like diabetes, heart disease, and Parkinson's.

Skills

Soft Skills

- Communication
- Adaptability
- Creativity
- Teamwork
- Patience
- Networking

Technical Skills

- Problem solving (Python, JavaScript, Java, SQL) Hackerrank(5) leetcode(200+)
- Game Development (c#)
- Cloud Azure
- Frontend Development React, html , css , js , spline ,node js
- Backend Development Node js,Express js
- Database Firebase

Area of Interest

Automation, Innovation(Solving Real world Problem), Getting good with cloud services like aws

Achievements

May 2024 – May 2024 Kollam, India	**PANDORA: AN INVESTORS RETREAT,** *Winner of the First Prize at 'Pandora: An Investors Retreat', an event showcasing student entrepreneurial ventures. Presented Sushruta to an audience, demonstrating innovation and strategic thinking. This accomplishment highlights my entrepreneurial mindset, communication skills, and networking abilities.*
Oct 2023 – Oct 2023 Palakad, India	***A 24 Hour National Level Hackathon*** Achieved second place in the Chakravyuha competition, a national-level hackathon organized by IEEE SB NSSCE and IEEE Kerala section. Recognized for outstanding performance and dedication, contributing to the team's success. Played a key role in achieving this well-deserved achievement, demonstrating exemplary skills and teamwork in a competitive environment
Jul 2023 – Jul 2023 DELFT, NETHERLANDS	**Student Innovation Challenge 2023,** *INTERNATIONAL(Winning Team | Team Leader)* Reduced construction accidents with a virtual reality collaborative assembly simulator.
Aug 2021 – Sep 2021 Hyderabad, India	**SMART INDIA HACKATHON,** *National(Winning Team | Team Leader)* Achieved 90% dyslexia detection accuracy using Azure Cognitive Services and machine learning (decision tree).

Certificates

- Deep Learning for Text with PyTorch ⬀
- Intermediate Deep Learning with PyTorch ⬀
- Introduction to TensorFlow in Python ⬀
- Deep Learning for Images with PyTorch ⬀
- Introduction to Deep Learning with PyTorch ⬀
- Introduction to Deep Learning in Python ⬀

Community Outreach

2023	**SSR(STUDENT SOCIAL RESPONSIBILITY)** • Led a school drone workshop focusing on mechanics and flying skills. • Conducted research comparing student performance between simulator-based learning and traditional methods. • Analyzed data to evaluate effectiveness of each teaching approach. • Presented findings highlighting benefits and limitations of simulator-based training. • Provided recommendations for optimizing drone education methodologies based on research outcomes.
2022	**Volunteering(College)** At Seva Programs, Streamlit student ambassador

Language

Fluent in reading, writing, and speaking Malayalam, English, and Hindi, with the ability to interpret Tamil to some extent.