

Highlights



Azure & AI Hackathon Winner

MICROSOFT

SEP 2022 - Chennai, INDIA

Designed Developed and Deployed an Entire Software Applications under 12 Hours with Azure for "Future Ready Applications Hackathon".

- Our Project Title: AI for Supply Chain
- Featured News: [APN](#)



Tiger Award - Bug Hunter

Google

MAR 2022 – VRP

Designed successfully an Exploit in Google Classroom. Which granted access to freeze RTC by performing DoS on Time Zone API

- Tiger Award, Merchandise, Hall of Fame
- View: [Profile](#)



Top 5

LinkedIn Assessment

APR 2022, View: [Profile](#)

Ranked as Top 5% Developer among Millions of Developers Worldwide in following languages:



C / C++



Python



Golang



Endorsement

Harvard University

SEP 2022 - Chennai, INDIA

Endorsed by Professor David J Malan, for my work of increasing knowledge in society by means of CS50x.

View: [POST](#)



Chief Guest, EMCEE (Public Speaking)

ANAND RADIO

JAN 2023 – AIHT Campus

Interviewed at ANAND RADIO for my excellence in Academic and Achievements. **89.6 MHz**



Rewise

Founder

Jan 1 2023

Educational website I coded with pure Open-Sourced HTML, CSS, JS, Co-pilot inspired from EdX, where Users can learn for FREE.

Thousand+ Happy Learners enrolled, certified between Jan – Mar23. View: [Website](#)

Research Papers (under Peer Review)

"Continual Learning: You need to Trust "

Artificial Intelligence, Deep Learning

Ability to remember previous learning mechanism, with little data.

"ICE: Infrared Context Extraction "

Computer Vision, Autonomous Vehicle

Novel Algorithm that helps to perform good at lowlight conditions. View: [Notebook](#)

Experience



AI Engineer & Research

LinkedIn • Freelance
Nov 2022 - Present • 5 mos.
Remote

Collaborated with International Companies Proposal to Develop Projects:

- Infrared Object Tracking for Autonomous Systems
- Medical Data Model with grey scale images and graph analysis reducing false negative from 0.3 to 0.18 (40% improvement).
- Deep Reinforcement Learning based Gaming Agent as in-game asset, which updates with user interaction.

Skills: PyTorch • Deep Learning • Autonomous Vehicles • Software Engineering • Artificial Intelligence (AI)
Rating 4.8 / 5



Project on AI for Banking Industry (NLP)

IBM • Internship
Oct 2022 - Feb 2023 5 mos.
Chennai, Tamil Nadu, India • Hybrid

I served as Student Technical Lead, Our Team Developed Natural Language Processing based smart banking chatbot Inspired from **ChatGPT-2**

- Accurate searches with Google Sentence-piece Tokenizer and TRANSFORMER " Architecture designed from research paper Attention is all you Need, 2017. <https://doi.org/10.48550/arXiv.1706.03762>
- IBM Watson Dialogue Framework for streamlined approach and deployed using IBM Watson Cloud Service

Skills: IBM Cloud • Natural Language Processing (NLP) • Git • Product Management

View : [Certificate](#) , [Repository](#)



Developer Virtual Internship

Accenture • Internship
Nov 2022 - Jan 2023 3 mos
North America • Remote
Completed Practical Tasks in following:

- Define technical requirements, Design changes to an existing architecture.
- Scale on-premise system infrastructure to the cloud.
- Reading and understanding code, Attention to detail
- Debugging algorithms: Unit testing, User Acceptance Testing, Securing the software development lifecycle (SDLC)



Developer Virtual Internship

Electronic Arts • Internship
Dec 2022 - Feb 2023 3 mos
USA • Remote

- Understanding **Game Object Class**
- Create a modular character, Unreal Engine
- Proposal for a gameplay feature that could be added to a life simulation game.



Artificial Intelligence

Cognizant • Internship
Nov 2022 - Present • 5 mos.
India, Remote

- Exploratory Data Analysis, Data Modelling
- Model Building and Interpretation
- Machine Learning Production and Quality Assurance



Professional Service Director / Instructor, Lecturer in CS

Rotaract • Volunteer
MAY 2021 - APR 2022 11 mos
RID 3232 • Hybrid

- We Organized Special Programs to build Confidence and Strong Emotional Intelligence, especially to School Kids.
- I Teach CS50x Computer Science for FREE to kids, to-be Graduates.

Education & Certification



Bachelors of Engineering

Major: Electronics and Communication

Minor: Soft Computing

2019 – 2023

AIHT, Anna University affiliation

CGPA – 9.24 / 10, University Rank Holder at Various Laboratories and Subjects:

- MARS Rover, Inspired from **NASA** Curiosity.
- Medical Data Model with grey scale images and graph analysis reducing false negative from 0.3 to 0.18 (40% improvement).
- Deep Reinforcement Learning based Gaming Agent as in-game asset, which updates with user interaction.

Skills: Computer Vision, C++, ESP32, Arduino, Internet Protocol TCP, Signal Processing, MATLAB



Computer Science CS50x

HARVARD University

2022 - 2023

Remote

Awarded from Cambridge, Massachusetts:

- Ten Problem Sets Infrared Object Tracking for Autonomous Systems
- Ten Laboratories
- One Final Project

Skills: C Programming • Python • Terminal, Bash • Basics of HTML, CSS, JS • Computer Security • Rubber Duck Debugging



IoT Internet of Things

CISCO, View: [Badge](#)

2021, Remote

CGPA – 9.97 / 10

Achieved student level credential for completing IoT course administered by CCNA. Proficiency with as follows:

- Automation and artificial intelligence for digital transformation
- Software and data for digital businesses and society
- Intent Based Networking, IoT and Digital Transformation for businesses and governments.
- Enhanced security in the digitized world

Skills: IoT • Edge Computing • Data Packets • Routers and Switches • Computer Networking



Artificial Intelligence

NASSCOM • **>futureskills** • Talentnext

2022, Remote

GOLD Medallist by developing Continual Learning Neural Model using Python with Dynamic bias, Hebbian Learning based activation function, to-be published as Research Paper.

Skills: Neural Networks • PyTorch • Deep Learning • Machine Learning • Data Engineering • Artificial Intelligence (AI)



UDACITY

Self-Driving Car Engineer, Deep Reinforcement Learning Nano Degree

Ongoing*, Remote

Computer Vision: Non-Linear Motion Tracking, Point Clouds, Object Tracking, Object Clustering, Digital Image Key point Descriptors

Robotics: Sensor Fusion, Object Motion Models, Autonomous Vehicle Fluency

Autonomous Vehicles and Robots: Radar, LiDAR, CAN, Kalman Filter

AI: Deep Learning, Natural Language Processing, RNN, Transformer, Backpropagation.



Senior Grade Backend Engineer

Karat • TRIPLEByte

2022, Remote

- Advanced level 4/5
- Verify [Certificate](#)