

Vishwa Kumaresh

Chennai, Tamil Nadu - 600094
+91-8884156219 | [Email](#) | [in LinkedIn](#) | [G Github](#)

CAREER GOAL

Passionate learner aspiring to leverage theoretical knowledge in developing innovative solutions for real-world challenges using Artificial Intelligence and Data Science.

EDUCATION

Shiv Nadar University

Bachelor of Technology in Artificial Intelligence and Data Science

Chennai, Tamil Nadu

Sept. 2021 – Aug. 2025

- CGPA: 8.97
- Relevant Coursework: Artificial Intelligence, Machine Learning Techniques, Deep Learning, Foundations of Data Science, Exploratory Data Analysis and Visualization, Computer Networks, Web Technology, Database Management Systems, Data Structures.

EXPERIENCE

Technical Partner

AUM MedTech and KGVK Diagnostics

April 2023 – Present

Chennai, Tamil Nadu

- Developing algorithms using IoT and AI for a DPIIT Recognised Startup
- **Patent Filed:** Remote Patient Monitoring and IV Fluid Monitoring for Anaphylaxis Detection
- Working in collaboration with IITs, NITs and IIITs

Project Intern

RBCDSAI, IIT Madras

May 2023 – July 2023

Chennai, Tamil Nadu

- Worked on Identification of chronic Renal Disease and Automated identification of Breast Cancer
- Developed End to End Pipelines, Extracted Statistical Features and Performed Model Analysis and Interpretations, Data Augmentation, and analysed performance of architectures such as VGG16, ResNet50, ElasticNet etc.
- Worked Collaboratively with a team and developed communication and documentation skills

Data Science Intern

GeakMinds Inc.

Dec.2022 – Jan. 2023

Remote

- Trained and worked on projects in the field of Data Analytics, Machine Learning and Computer Vision.
- Worked on Advanced SQL Project (Analysis of Customer Data, Time Series Plots) using Transact SQL
- Build a Virtual Background project using OpenCV and Python with different settings for live Video Conferencing

PROJECTS

STIRS : Funded Research Project | *Python, QT Designer, Neo4J*

May 2023 - Present

- Working on creating a live music recommendation system by detecting the emotions of the user
- Research on Knowledge Distillation for deploying models on the edge, and multiclass emotion detection

Spam Shield | *Python, TensorFlow, Kotlin, Firebase, FastAPI*

December 2023 - January 2023

- Developed a full-stack android application using Kotlin serving a REST API
- Used TensorFlow and TFLite to build a Spam Classification Model Embedded in the Application
- Used Firebase, Firebase Realtime Database and Firebase Kotlin SDK to send and Recieve messages from the cloud

Traffic Accident Prediction | *Python, OpenCV, Git* [G Github Link](#)

September 2022 - November 2022

- Developed a Crosswalk detection and collision detection mechanism
- Used Tableau to perform Time Series Analysis on the Data
- Built a GUI using TKinter

SKILLS

Programming Languages: Java, Python, C/C++, SQL (T-SQL, ANSI SQL), JavaScript, HTML/CSS, Kotlin

Developer Tools: Git, Docker, Microsoft Azure Data Studio, VS Code, Tableau, Excel

Libraries and Frameworks: Pandas, NumPy, Matplotlib, TensorFlow, JAX, Scikit-Learn, LangChain, React, FastAPI

Soft Skills : Adaptability, Organization, Leadership

Languages : English, Hindi, Tamil

RELATED CERTIFICATIONS

- [Google Data Analytics Professional Certifications](#)
- [Microsoft Azure AI Fundamentals](#)
- [NPTEL : Cloud Computing and Distributed Systems \(Topper 2%\)](#)
- [NPTEL : Introduction to Soft Computing](#)

COMPETITIONS AND ACHIEVEMENTS

Smart India Hackathon - 2023

- Won the SIH 2023 Contest (Cash prize of 1L)

Samsung Solve for Tomorrow

- Selected as a Top 10 Team amongst 70000+ registrations.
- Won 5 Lakhs worth of Prizes.
- [Article Link](#)

Tamil Nadu Police Hackathon

- Led my team to the finals in TN Police Hackathon (Top 10)
- Selected from over 400 participating teams across the country
- [Article Link](#)

MachineHack Blogathon

- First Runner up in a Technical Article Writing Contest
- Won Tickets to the MLDS 2023 conference
- [Article Link](#)

CLUBS AND EVENTS

- **Ex-Core Committee of Coding Club**
Gave Speeches on Blockchain Technology and Inducted the Freshers.
- **Organizing Committee and Member, Lakshya**
Organising Committee member of Mela 2023 (Documentation of Events)
- **Event Head of Logistics, Nigdimmu 2023**
- **Contributor to Newsletters, SSN-SNU Instincts**

VOLUNTEERING EXPERIENCE

Volunteer : Sathya Sai Seva Organization

- Diploma in Religious and Cultural Studies (9 years)
- Guided Younger Students in the Program

Student Volunteer : NSS

- 130+ Hours of Community work
- Organised and Conducted Seminars on various socially relevant topics
- Collaborated with Lions Club to organise a visit to an old-age home for destitute women