

A V K SHAILESHWARAN

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SUMMARY

Curious and driven Computer Science undergrad skilled in Python, AI, and data analysis. Hands-on with NumPy, Pandas, TensorFlow, and real-world AI projects like image classification and voice assistants. Actively learning transformers and generative AI. Ready to support research teams with experiments, data preprocessing, and clear documentation — eager to grow into a full-time AI Research Engineer.

EDUCATION

PERI Institute of Technology, Mannivakkam, Chennai

Bachelor of Engineering, Computer Science and Engineering

Sep 2022 – Present

Skills: Web Development, Cloud Computing, Programming Basics

CGPA: 8.74/10.0

SKILLS

Programming Languages: Python, Java, C, Dart

Deployment: Git, GitHub, Render, Netlify, Railway.

Database: MySQL, Postgres

Software: PyCharm, Visual Studio Code, MS Excel/Word/PowerPoint, Figma, Canva, Postman.

Other Technologies: Flutter, AI, Cloud, n8n, Stitch, Eraser, Generative AI.

Soft Skills: Leadership, Problem-Solving, Design Thinking.

EXPERIENCE

Emayam Technologies Private Limited

Velachery, Chennai

Python Django Backend Developer Intern

Apr 2025 – Jun 2025

- Led a team to deliver **2 complete backend projects**, handling API development, MySQL integration, and deployment—**reduced development time by 20%** through process optimization.
- Collaborated on a third project, focusing on API testing and debugging using Postman—**improved test coverage by 30%**.
- Participated in backend architecture planning, ensuring **on-time sprint delivery** during the internship.

Shiash Infotech Solutions Private Limited

Sholinganallur, Chennai (Remote)

Python Full Stack Developer Intern

Aug 2024 – Nov 2024

- Developed **responsive web interfaces using HTML/CSS**, contributing to a **25% faster page load time** in final deliverables.
- Completed an **Ad Hoc Expertise platform**, integrating frontend and backend modules to automate manual workflows—**reduced manual effort by 30%**.
- Built and deployed Python-based applications using Django and MySQL with **successful deployment and no major issues in final testing**.

CodSoft

Remote

Python Developer Intern

Mar 2024 – Apr 2024

- Programmed and deployed multiple Python mini-projects including a **To-Do List, Calculator, and Temperature Converter**, achieving **95%+ code efficiency** in peer-reviewed evaluations.

- Increased problem-solving speed by **40%** through daily coding challenges using Python libraries such as Tkinter and NumPy.

PROJECTS

Personalized Voice Assistant

Dec 2023 – Jan 2024

- Built a voice-activated assistant capable of performing tasks like image downloads, system operations, document management, and music playback using speech input.
- **Tech Stack:** Python, Speech Recognition, pyttsx3 (Text-to-Speech), OS module, Web Scraping.

Image Classification

Jan 2024 – Feb 2024

- Created a GUI-based image classifier that uses a pre-trained CIFAR-10 model to categorize images into 10 classes like airplane, dog, cat, etc.
- **Tech Stack:** Python, TensorFlow/Keras (CIFAR-10), Tkinter for GUI.

Corona Virus Tracker Application

May 2024 – Jul 2024

- Designed and automated a real-time COVID-19 tracker that scrapes data from Worldometers and provides country-wise statistics with export options (HTML, JSON, Excel).
- **Tech Stack:** Python, Web Scraping (Beautiful Soup/Requests), Pandas, Tkinter (GUI), Excel/JSON/HTML Export.

COURSEWORK

- **AI Fluency: Framework and Foundations** – Anthropic
- **AI for ALL** – Intel (via Skill India Digital Hub)
- **Introduction to Generative AI** – Google Cloud Skills Boost
- **Introduction to Responsible AI** – Google Cloud Skills Boost
- **Data Structures and Algorithms with Java** – NPTEL

ACHIEVEMENTS & LEADERSHIP

- **Student Chairman**, Descience Club – Leading tech discussions, exploring web, UI/UX, and open-source contributions.
- **Member**, Inspire Leadership Club – Building leadership and communication skills.
- **Joint Secretary**, Science & Humanities Club – Organized student events and initiatives.
- Participated in **3+ hackathons**, **5+ symposiums**, and presented **1 technical paper**.
- Published a research paper titled "**Portable Reasonable AI Device for Early Cancer Risk Assessment and Clinical Decision Support**" in **APORTES Journal**.