

Manav Garg

Developer | Designer | Dreamer

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Profile

Manav is a 20-year-old aspiring software developer and machine learning engineer with a passion for graphic design and UI/UX. He is proficient in a variety of programming languages and technologies, including **Python, Java, JavaScript, C/C++, TensorFlow, PyTorch, Scikit-Learn, Django, React, Angular, Figma, and Sketch**. He is also familiar with **natural language processing, computer vision, data mining, and big data analytics**. He is a highly motivated and **results-oriented** individual who is always willing to help others.

Key Points

- Communication and presentation skills with analytic bent of mind & a good team player.
- Strong hold on **Data structures and Algorithms & Modern ML Algorithms**.
- Skilled in developing End-to-end backend APIs and Integrating it with the frontend to provide seamless data processing.
- Skilled in **Python** and ML Libraries such as **TensorFlow and OpenCV** as well as keeping a close eye on the real-time trends and future demands of different programming languages.
- Proficiency in User interfaces and User experience and in tools such as **Figma, Adobe Photoshop, Adobe Illustrator**.
- Intermediate level in Cyber Security, **Pen-testing** and **Privilege Escalation** and in tools such as **Gobuster, Metasploit, DirBuster, Nmap, PHP injection**.

Education

- **Vellore Institute of Technology** Chennai, Tamil Nadu
Bachelors of Technology in Computer Science
Concentration: Computer Science
Minors: Artificial Intelligence and Machine Learning 2021- 2025

Experience

- **Intern, Back-end Developer at StudioX – The Coca Cola Company** Aug 2023 – Present
Hogarth India – A WPP Company, Gurugram, India
- **Hobbyist CTF Solver, TryHackMe.com** June 2023 – Present
Top 2% (rank 51K) in the whole world on the one of the most popular cybersecurity challenges platform, "tryhackme.com" where Free/Premium CTFs (Capture the Flag) events/rooms are hosted and people compete to prove their skill.
- **Fixed Point Adherence App Project - Wipro** July 2023 – Sep 2023
Worked on an AI Based object detection mobile app for Wipro under the guidance of Ms. R. Jothi, ML Professor/Researcher from Vellore Institute of Technology, Chennai

Skills/Abilities

- **Tech Stacks:** MERN Stack, LAMP Stack, MEAN Stack
- **Languages:** Python, JavaScript, C++/C, C#, Dart, SQL, Bash
- **Libraries:** PyTorch, TensorFlow, OpenCV, ASP.NET
- **Frameworks:** Docker, ReactJS, NextJS, Angular, NodeJS, Express, Django, Flask
- **Tools:** GitHub, GitLens, Bitbucket, Visual Studio Code, Vim, Adobe Photoshop, Adobe Illustrator, .NET SDKs, MongoDB, NoSQL Platforms, Vercel, Heroku, Glitch, Figma, Metasploit
- **OS's:** Kali Linux, Fedora, Ubuntu, Windows, MacOS
- **Skills:** Artificial Intelligence implementation, Machine Learning, Web Exploitation, Privilege Escalation, Frontend Development, Backend Development, User Interface, User Experience Design Flow, System Design

Hobbies

Graphic Design | Music | Nature | Books

Projects

- **Rekol, TO-DO dashboard web app integrated with WhatsApp** May 2021
<https://github.com/manavvgarg/rekol>
Tags: JavaScript, NodeJS, ExpressJS, MongoDB, Web Development, Web App
- **NSCHR, Fully Functional Web HMIS Portal** September 2021
<https://github.com/manavvgarg/nschr>
Tags: JavaScript, NodeJS, ExpressJS, MongoDB, Web App, MySQL
- **Certi-gen: Automated Mass Certificate Generator** June 2023
<https://github.com/manavvgarg/certi-gen>
Tags: Python, HTML, CSS, Flask, Backend Automation
- **SentiSYS: CLI Sentiment Analysis with Text/Mic Input** July 2023
<https://github.com/manavvgarg/sentisys>
Tags: Python, TensorFlow, Machine Learning, Sentiment Analysis, CLI
- **Fixed Point Adherence – Wipro** July-September 2023
Tags: Python, TensorFlow, Machine Learning, OpenCV, Flutter, Android Development

Certifications

- **Supervised Machine Learning: Regression and Classification by Stanford Online | Deeplearning.Ai**
<https://www.coursera.org/account/accomplishments/certificate/XUKTEZCDCGLW>
[Issued: July 2023](#)
- **Supervised Machine Learning: Advanced Learning Algorithms by Stanford Online | Deeplearning.Ai**
[Ongoing course by Andrew Ng on Coursera.](#)
- **Paradox 2022**
<https://certopus.com/c/70942028f6e54fefa769fd5e7e07fc47>
[Received for securing 10th position out of 500 participants in VIT Chennai's flagship Cryptic Hunt.](#)
- **Advanced CPP**
Credential ID 3018150911
[Issued by IIT Bombay on successful completion of Advanced CPP course offered By IIT Bombay.](#)
- **C# Certification**
Credential ID 3018150911
[Issued by IIT Bombay on successful completion of C# Certification course offered By IIT Bombay.](#)
- **Python 3.4.3**
Credential ID 3018150AQM
[Issued by IIT Bombay on successful completion of Python Certification course offered By IIT Bombay.](#)
- **Python Certification Bootcamp Course**
Credential ID UC-2f98e4bb-7be7-41ea92c5-83ce576e177d
[Issued by Udemy, Inc.](#)
- **C++ Certification**
Credential ID UC-1edfc908-411f-40d4-85e1-8d5f8e733f45
[Issued by Udemy, Inc](#)