Manav Garg

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Profile

Manav is a 20-year-old aspiring software developer and machine learning engineer. He is proficient in a variety of programming languages and technologies. He is also familiar with NLP, Computer Vision, Data mining, and big data analytics. He is a highly motivated and results-oriented individual who is always willing to help others.

Education

Vellore Institute Of Technology, Chennai · June 2025

B.Tech. Computer Science Engineering · *Current CGPA: 8.4/10.0*

Specializing in: Artificial Intelligence and Machine Learning

Coursework

Courses: Object-Oriented Programming, Data Structures & Algorithms, Machine Learning, Artificial Intelligence, XAI, Linear Algebra, Calculus, Physics, Probability & Statistics

Skills

Languages: C/C++, Python, Java, JavaScript/TypeScript, HTML5/CSS3, Dart, SQL, Bash, LaTeX

Tools: Git/GitHub, Unix, IntelliJ PyCharm, Visual Studio Code, Vim, Adobe Photoshop/Illustrator, MongoDB, NoSQL Platforms, Vercel, Figma

Frameworks: ReactJS/NextJS/Express, Django/Flask/FastAPI, Node.js, WordPress, Material-UI

Libraries: Pandas, NumPy, Matplotlib, PyTorch, TensorFlow, OpenCV

Projects

Satellite Image Analysis using Vision Transformers | *Python, PyTorch, Vision Transformers* · April-May. 2024
- Achieving SOTA in land use classification. This project contributes to advancing satellite image analysis and enhances tools for environmental monitoring, urban planning, and land management. This uses evaluation technique based on metrics like classification accuracy that proves the efficacy of the suggested approach with reference to existent methods. This project also compares two Vision Transformer models, the base ViT and the CCT (Compact Convolutional Transformer) model.
- 🔗 LinkedIn · ⭕ Github

KeyKeg - Password Wizard | *Python, Scikit-Learn, Machine Learning, NextJS, Web App* · April. 2024
- Developed a Secure, Strong, and Smart, ultimate password management app that securely stores your passwords, generates strong and unique passwords, and utilizes machine learning approach (Random Forest Algorithm) to analyze and classify password strength.
- 🔗 LinkedIn · ⭕ Github

Fixed Point Adherence − Wipro | *Python, TensorFlow, Machine Learning, Flutter, Android Dev* · July-Sept. 2023
- Developed an App for Wipro with Machine Vision capabilities to distinguish items on a pathway so that they can be removed and status can be logged.
- 🔗 LinkedIn

SentiSYS: CLI Sentiment Analysis | *Python, TensorFlow, Machine Learning, Git, Unix Shell, VS Code* · July. 2023
- SentiSYS is a real-time sentiment analysis tool that utilizes EmoRoBERTa, a pre-trained transformer-based model, to perform sentiment analysis on both text and speech inputs.
- ⭕ Github

Rekol | *Express, Embedded JS, MongoDB, CSS3, Git, Unix Shell, VS Code, Whatsapp API* · May. 2021
- Developed a TO-DO dashboard and Integrated WhatsApp functionality to use the platform from WhatsApp
- ⭕ Github

NSCHR, A Web HMIS Portal | *Express, Embedded JS, MongoDB, CSS3, Git, Unix Shell, VS Code* · Sept. 2021
- A Web app built using various technologies to provide fast, accurate information about a patient right in front of Medical Practitioner in just a matter of few clicks!
- ⭕ Github

EXPERIENCE

Intel Corporation   May. 2024 – Aug. 2024

Intel Unnati Industrial Trainee

Focusing on an intriguing problem statement: "Business Contract Validation" which involves
- Classifying content within the Contract clauses and
- Determining deviations from Templates and highlight them.
- Provide accurate metrics for analysis

Tisac pvt. ltd.   May. 2024 – June. 2024

Intern, Full Stack Developer & ML Engineer

Involved in developing a Full Stack Application for Training LLMs, FineTune Models, Data Analytics and more on self hosted VMs using docker technology to create isolated jupyter environments for every job.

StudioX – The Coca Cola Company x Hogarth India – A WPP Company   Aug. 2023 – Oct. 2023

Intern, Full Stack Developer

Involved in developing a Full Stack Application for ICC World Cup 2023 Thums Up campaign to successfully log live votes, and Code Redemptions as well live Polling

Wipro   Aug. 2023 – Nov. 2023

Intern, Android Developer & Machine Learning

Contributed to the development of an android application utilizing machine learning for monitoring objects within the pathway obstructing the passage for their rovers and machines to move on. Part of the Wipro Infrastructure Engineering Department.