



VARDAN GARG

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"Leveraging my interest in technical and expertise in intellectual, administrative, and leadership domains, I aim to contribute significantly to the scientific advancements of our nation, driving innovation and excellence and propelling our nation towards a brighter future."

ACADEMIC DETAILS

| DEGREE / EXAM | INSTITUTE | CGPA or % |
|--|--|--------------|
| M. Tech IT (Machine Learning) (2024-26) | Indian Institute Of Information Technology Allahabad | - |
| B.Tech (Computer Science and Engineering) (2018-2022) | University Institute Of Technology, RGPV Bhopal | 8.44 CGPA |
| 12 th Board (CBSE) (2018) | Gyan Ganga International Academy Bhopal | 88 % |
| 10 th Board (CBSE) (2018) | Ryan International School Bhopal | 10 CGPA |

PROJECTS

Automatic Number Plate Recognition [2023]

Technologies: Python, OpenCV, EasyOCR, Imutils

Description: Developed a system to automatically detect number plates from images using computer vision and OCR techniques. Implemented image processing algorithms to extract number plates from images and used EasyOCR to recognize text on number plates. The model was giving 95% accuracy.

Skills Demonstrated: Computer Vision, Text Recognition, Image Processing, OCR, Python Programming, and Problem-solving.

Stocks Closing Price Predictor [2021]

Technologies: Python, Pandas, NumPy, Keras, Scikit-learn

Description: Developed a machine learning model to predict stock prices using historical data. Collected and pre-processed data, trained and evaluated an LSTM model, and made predictions on future prices.

Skills Demonstrated: Data pre-processing, feature engineering, model selection, training, and evaluation, Python programming, data analysis, machine learning, visualization, and problem-solving.

Bit coin Price Predictor [2021]

Technologies: Python, Pandas, NumPy, Scikit-learn

Description: Developed a machine learning model to predict Bitcoin prices based on historical data. Collected current market price from coinmarketcap.com and processed, trained and evaluated an SVR model, and made predictions on future prices i.e. 30 days from now.

Skills Demonstrated: Data pre-processing, feature engineering, model selection, training, and evaluation, Python programming, data analysis, machine learning, and problem-solving.

Other Projects [2018-2020]

Successfully completed guided hands-on projects in machine learning, including an SVM-based facial recognition model and a CNN-based traffic sign classification model. Additionally, designed and developed interactive games, Flappy Bird and Snakes, utilizing Pygame with enhanced media and graphics capabilities. Furthermore, engineered an Arduino-based Line Follower Bot, demonstrating comprehensive skills in Python programming, machine learning algorithms, and robotics.

EXPERIENCE

MAGNET BRAINS

[Jul, 2021 – Feb, 2023]

- Created and published educational content for YouTube channel and company's website and achieved more than 8.52 Million Subscribers and 100 Million monthly views.
- Developed and implemented effective content strategies to engage audiences and drive channel growth.
- Served as a multidisciplinary educator, teaching Artificial Intelligence to Class 9th and 10th, Computer Science to Class 11th and 12th, and CUET for Computer Science/Informatics Practices-308 domain, showcasing expertise in various facets of computer science and artificial intelligence with a broad spectrum of expertise.

PERSISTENT SYSTEMS

[Feb, 2022 – Aug, 2022]

- Joined as a Software Trainee Intern, gaining familiarity with software development methodologies and tools, while immersing myself in the tech corporate culture, collaborating with cross-functional teams and enhancing soft skills, including communication, teamwork, problem-solving, and technical skills.

TECHNICAL SKILLS AND KNOWLEDGE

Python | MySQL | OpenCV | Pandas | Numpy | Matplotlib | Seaborn | TensorFlow | Keras | Scikit-Learn | SciPy | Pygame | Flask | Pickle | Joblib | C-Programming language | JAVA | LINUX | NODE JS | MONGO DB | MS Power Point (Advance) | MS Word (Intermediate) | MS Excel (Competent) | MS Access (Basic) | Google Slides | Google Sheet | Techsmith's Camtasia | OBS | Machine Learning | Deep Learning | Data Structures & Algorithms | Computer Networking | Operating System | Database Management System | Computer Organization and Architecture

CERTIFIED COURSES

- Machine Learning and Deep Learning specialization under the supervision Mr. Andrew Ng on Coursera
- Data Cleaning, Data Visualization, Pandas, Intro to Machine Learning and Python on Kaggle
- An Onramp course by MathWorks on Matlab
- Design and Analysis of Algorithms by NPTEL

SCHOLASTIC ACHIEVEMENTS

- GATE (Graduate Aptitude Test in Engineering) in CS/IP [2024]
Scored 43.33 marks out of 100 and 512 GATE Score
- MMVY(Mukhyamantri Medhavi Vidyarthi Yojana) [2018-2022]
Achieved 100% scholarship for college education.
- International Cyber Olympiad [2015]
Emerged as Zonal Rank 28 holder in ICO by SOF.
- International Mathematics Olympiad [2015]
Emerged as Zonal Rank 64 holder in IMO by SOF.
- Intra School Live Olympiad Science Competition [2015]
Secured 1st Position in the school.
- INTACH Indian Heritage Quiz [2014]
Represented school for inter school competition.
- Derek's Faster Smarter Better Challenge [2014]
Represented school for inter school competition.

HOBBIES

--Cooking -- Mystery Plots -- Games