

Aviral Vashistha

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EDUCATION

SRM Institute of Science and Technology | Website
B.Tech. in Computer Science and Engineering

CGPA: 8.72/10
Aug 2022 – Aug 2026

SKILLS

Languages: Python, C/C++, SQL (MySQL), HTML/CSS
Developer Tools: Git, GitHub, Linux, Latex, VS Code
Libraries: Pandas, NumPy, Matplotlib, Seaborn, SciKit-Learn

EXPERIENCE

Limendo | Website Bangalore | Hybrid
AI/ML Engineer Intern | Machine Learning, Python Dec 2024 – Ongoing

- Developed and optimized AI/ML models, enhancing accuracy and performance for real-world applications.
- Contributed to an active machine learning project, implementing advanced techniques to improve model efficiency.
- Collaborated with cross-functional teams to refine ML workflows, ensuring seamless integration and deployment.
- Managed project priorities and deadlines using Agile methodologies, participating in daily standups and sprint planning to achieve faster product delivery.
- Identified and resolved critical bugs, optimizing code performance and enhancing product quality.

Indian Institute of Technology, Roorkee | Website Roorkee | On Site
Machine Learning Researcher - AMSC | Machine Learning, Python | Report File June 2024 – July 2024

- Research Advisor : Dr. Millie Pant (HoD- AMSC)
- Developed an Alzheimer's Disease Detection Model using Machine Learning and Python, achieving high accuracy.
- Enhanced model interpretability by implementing Explainable AI (XAI) techniques for transparent decision-making.
- Utilized the Kaggle Alzheimer's Disease dataset for model training, feature selection, and performance evaluation.

RESPONSIBILITIES

Electronica@SRMIST - Delhi NCR | LinkedIn Feb 2023 – Present
Founder

- Founded Electronica@SRMIST: Established the club to enhance technical skills beyond traditional classroom learning.
- Led activities and recruitment: Planned workshops, events, and implemented strategies to attract members.
- Industry networking and development: Built a network within the industry and academia.

ACADEMIC PROJECTS

Flight Management System | SQL (MySQL) | Github Repository July 2024

- Developed Flight Management System: Implemented a database to manage flights, passengers, tickets and payments.
- Enhanced functionality: Created views, triggers, and stored procedures for detailed insights and automated processes.
- Database optimization: Conducted schema modifications and maintenance to ensure system efficiency.

Desktop Assistant | Python | Github Repository June 2024 – July 2024

- Desktop assistant: Performs tasks like fetching Wikipedia info, opening web pages, sending emails, and playing music
- Voice interaction and control: Uses speech recognition for commands and performs system actions
- Additional features: Includes weather updates, news, time display, background changes, and note-taking

PROJECTS

Student Performance Prediction Model | Machine Learning, Python, Flask | Github Repository July 2024

- Developed a prediction model to evaluate and predict student performance based on various metrics.
- Utilized Flask for the backend and deployed the model to make it accessible via a web interface.

ACHIEVEMENTS

Preliminary Asteroid Discovery at AIASC July 2023 – August 2023

- Discovered a previously unidentified asteroid during the "All India Asteroid Search Campaign" by International Asteroid Search Campaign
- Learned to use Astrometrica software for finding unidentified asteroids from space images

Robotics Competition at IIT BHU March 2023

- Secured 2nd position in my college for solving the given problem statement using Arduino UNO and selected for Robotics Competition in IIT BHU.
- In IIT BHU built a maze-solving robot using Arduino Nano. Team was selected for finalist round.