Shubh Gupta

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About

Innovative and results-driven Computer Science student with a specialization in Artificial Intelligence, Machine Learning, and Data Analytics. Proficient in developing data-driven solutions and leading cross-functional projects. Demonstrates a strong ability to analyze complex problems, build scalable systems, and deliver enhanced user experiences.

Education

VIT Bhopal University, B.Tech in Computer Science with specialization in Artificial Intelligence and Machine Learning   Sept 2022 – May 2026

- Cumulative GPA: 8.73/10.0

Skills

Programming Languages & Tools: Python, C++, Java, HTML, CSS, JavaScript, PHP, MySQL
Technical Expertise: Machine Learning, Data Structures, Algorithms, Object-Oriented Programming.
Core Competencies: Software Engineering, Data Analytics, Problem Solving, Project Management, Product Development

Experience

Vice President, Software Development Club – VIT Bhopal University   Dec 2023 – Current

- Managed club activities and led development of scalable, data-driven applications. Organized hackathons to foster cross-functional collaboration and enhance technical skills among 200+ participants.

Projects

EvolkAI   evolkai.com

- Designed and launched an extensive online resource hub for Machine Learning, Deep Learning, and Computer Vision.
- Improved data-driven decision-making by analyzing user engagement metrics, achieving a 20% increase in traffic through SEO optimization and data insights.
- **Technologies Used:** HTML5, CSS3, JavaScript, Google Ads.

Accurate   [Project Link]

- Developed an AutoML platform for no-code model application, data visualization, and result saving.
- Optimized platform scalability and user efficiency, reducing manual effort by 60% through innovative data integration and quality processes.
- **Technologies Used:** Python, HTML5, CSS, PHP, MySQL.

SenText

- Developed a sentiment analysis tool using a Multinomial NB model for classifying text as Positive, Negative, or Neutral.
- Increased model accuracy and user satisfaction by 15% through refined data algorithms and user-centric interface design, supporting enhanced data analysis capabilities.
- **Technologies Used:** Machine Learning, HTML, CSS, Python, PHP, Natural Language Processing, UI/UX Standards.

Energy Insight   [Project Link]

- Developed an LGBM Regressor for predicting energy loads with an R2-Score of 61%.
- Integrated Gemini API with Gen AI capabilities to enhance the solution's scalability and data processing capabilities.
- **Technologies Used:** Machine Learning, HTML5, CSS, JavaScript, PHP, Gemini API Integration, Git, GitHub.

Publications

S. Gupta, D. Thakur, A. Rastogi, "Exploring eeg characteristics and machine learning classifiers for accurate detection of eye-blink mistakes," in Explainable AI (XAI) for Sustainable Development. Chapman and Hall/CRC, 2024, pp. 89–107.

Additional Achievements and Awards

- Placed in the **top 3 out of 37 finalist teams** in the Buildathon Hackathon hosted by VIT Bhopal University and Preprodcorp, earning a **2-month internship** at Preprodcorp.
- Secured **2nd place out of over 200 candidates** in the University Level Mathematics Quiz Competition, earning a reward of 500 Rs.