Shwetha Iyer

Engineering Student

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PROFILE

Dedicated and diligent undergraduate BTech student with 10.0 GPA to date. Enthusiastic and naturally inclined towards mastering new tools and technologies employed across various industry domains. Eager to utilize my expertise in Data Science, Machine Learning and AI effectively contribute to your company in an internship role. Committed to delivering my responsibilities as a valuable and reliable team member. Have a proven track record of being a results-oriented team player, quick learner and efficient problem-solver in fast-paced work environments.

EDUCATION

- **BTech in Electronics and Communication (AI & Machine Learning)** | 2021 – Present
  MIT World Peace University, Pune
  CGPA: 10.0
  Elected Class Representative | *Student Volunteer* | *Inter-college Volleyball Player* | *Report and Documentation Writer* | *Technical Team Member of Society of Women Engineers Club*

- **Higher Secondary Education** | Maharashtra State Board | 2021
  Rao Junior College of Science, Pune
  Grade: 92.5% JEE Mains Percentile: 95.6%
  Head of College Editorial Team | *Student Volunteer*
  Received Certification of Excellence in India's Best Student Contest, 2019.

- **Secondary Education** | ICSE Board | 2019
  Vidya Valley School, Pune
  Grade: 94.5%
  Member of Student Council | *Inter-school Table-Tennis Player*
  Taught Math & English to underprivileged children in government school.
  Awarded certificate for participation in NASA's Space Settlement Design Contest.

PROJECT EXPERIENCE

- Employed machine learning techniques to diverse projects, including cancer prediction, diabetes diagnosis, customer churn prediction, credit card fraud detection, market basket analysis (recommendation system), achieving up to an estimated 92% level of accuracy.
- Created insightful data visualizations for various industry datasets (including crime, sales, healthcare, voting data) facilitating in-depth analysis and ensuring efficient and successful communication of information.
- Designed and developed multiple microcontroller-based projects using Arduino, ESP32 and Raspberry Pi, incorporating sensor technology to optimize system automation.
- Implemented natural language processing techniques for projects such as spam detection and sentiment analysis, with a focus on enhancing both accuracy and processing efficiency.
- Developed practical software solutions for real-world scenarios, involving tasks such as shortest path optimization for logistics/SCM, and virtual stock market implementation. Utilized DSA and OOP concepts to create these solutions.
- ***(Ongoing)*** Currently working in collaboration with IIT Hyderabad as a student research intern, specializing in image segmentation of grape images, performing a comparative study of various segmentation models, and evaluating results and accuracy.

TECHNICAL PROFICIENCY

- **Programming Languages**: Python, R, Java, C++, C#, C
- **Softwares and Tools**: MS Office Suite, Adobe Illustrator, AutoCAD, Proteus, MATLAB & Simulink, NI Multisim, RoboAnalyzer
- **Web Development**: HTML, CSS, JavaScript
- **Database Management**: MySQL, NoSQL
- **Data Visualization**: Tableau, Power BI
- **Frameworks and Libraries**: TensorFlow, NLTK, PyTorch, OpenCV, React

SKILLS

- Effective verbal and written communication
- Time management
- Team worker
- Effective leadership
- Analytical problem-solving
- Adaptive and fast learner
- Active listening and attention-to-detail

COURSES COMPLETED

Data Structures & Algorithms, Machine Learning, Deep Learning, Probability & Statistics, Linear Algebra, Design Thinking, Control Systems, Digital Signal Processing, Microcontrollers & Applications, Object-oriented Programming.