

# Shaunak Whaval

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**Summary** — 3rd-year BTech student specializing in Cyber Physical Systems at VIT Chennai. With strong proficiency in core Data Structures and Algorithms (DSA) and technical problem-solving skills. Along with his technical abilities, skilled in communication, teamwork, and leadership, having successfully led projects and teams. Highly adaptable, detail-oriented, and thrives in collaborative environments.

## SKILLS

- **Languages:** Python, C, C++, Java, Java script
- **Database Management:** SQL, PL-Sql
- **Frontend Development Tools:** HTML, CSS, Javascript, React
- **Cloud:** AWS
- **Machine Learning**

## PROJECTS

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|--|-----------------------|
| <b>Computer Networks Quiz hosted on VIT Chennai Server</b> <ul style="list-style-type: none"><li>– Designed a MCQ-Quiz based on Computer Networks, used on VIT local server.</li><li>– Adapted PHP server and SQL databases using XAMPP local server.</li><li>– Hosted successfully in December 2023.</li></ul>  | <b>December 2023</b>  |
| <b>Dementia Detection - Using deep learning</b> <ul style="list-style-type: none"><li>– Developed a deep learning model to detect early signs of dementia from medical data.</li><li>– Implemented neural networks for classification, leveraging Python and TensorFlow/Keras libraries.</li><li>– Successfully tested the model with real-world datasets, achieving high accuracy in identifying dementia patterns.</li></ul>   | <b>September 2023</b> |
| <b>PhotoSage - Conversational Image Chatbot (VITISH 24) - Front-End Developer</b> <ul style="list-style-type: none"><li>– Developed an AI-powered chatbot for image recognition using OpenAI and DeepInfra APIs.</li><li>– Implemented image compression and analysis using Python's PIL library to optimize performance.</li><li>– Built a scalable, cross-platform solution using Flask and integrated CORS for secure API handling.</li><li>– Designed a user-friendly front-end for the chatbot using HTML, CSS, and JavaScript for seamless image uploads and interactions.</li></ul> | <b>September 2024</b> |

## EDUCATION

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|--|-----------------------|
| <b>Vellore Institue of technology, Chennai.</b><br><i>Computer Science Engineering</i><br><i>CGPA: 9.05(end of 5th Semester)</i> | <b>2022 - Present</b> |
| <b>Mahaveer school and Junior College</b><br><i>Senior Secondary Education</i><br><i>Grade 12: 82.83%</i>                        | <b>2020 - 2022</b>    |
| <b>The Bishop's School Camp, Pune.</b><br><i>Secondary Education</i><br><i>Grade 10: 91.2%</i>                                   | <b>2008 - 2020</b>    |

## CERTIFICATIONS

- Microsoft DP-900 Azure Data Fundamentals**
  - Certified by Microsoft in Azure data concepts and Azure database services.
- Learn Python Programming**
  - Python beginner to advanced

## CORE COMPETENCIES

- Technical Problem Solving Skills
- Team Work, Communication & Management Skills

## AWARDS & ACHIEVEMENTS

- VITISH Finalist - 2024
- Management Lead, Swarajya Club (Cultural club)