

Aryan Shah

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EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science and Engineering (CGPA: 9.31)

D.A.V. Public School | 12th CBSE (Percentage: 93%)

Wisdom World School | 10th CISCE (Percentage: 96%)

Vellore, Tamil Nadu | Sep 2022 - Present

Pune, Maharashtra | Aug 2020 – Jul 2022

Pune, Maharashtra | Jun 2010 – Jul 2020

EXPERIENCE

DevDynamics | Product Intern

Pune, Maharashtra | Dec 2024 – Jan 2025

- Conducted in-depth market research and competitive analysis for an engineering analysis platform, identifying industry trends and user needs to shape product strategy.
- Synthesized research findings into actionable insights, contributing to data-driven decision-making in a fast-paced startup environment.

ValueDX | Data Science Intern

Pune, Maharashtra | Jun 2024 – Jul 2024

- Implemented ML workflows using advanced LLMs for Generative AI and NLP tasks. Optimized data preprocessing, model training, and evaluation on large datasets, driving improved predictive performance and supporting ethical, data-driven decision-making.

PROJECTS AND PUBLICATIONS

Zero-Lag Chess – The Ultimate Serverless Experience

Feb 2025

- Engineered a fully serverless chess platform entirely in pure JavaScript, built from scratch with comprehensive move validation and advanced UI customization for a high-performance, regulation-compliant experience.
- Eliminated traditional chess app limitations by removing backend dependencies, account creation, and data tracking, delivering a seamless, privacy-focused, and cross-device gaming experience.

gradifyVIT – Comprehensive Grade Prediction and Academic Analysis for VIT

Apr 2024

- Developed a comprehensive academic analysis tool for VIT students, built with advanced front-end technologies. Technically robust and user-centric, this solution empowers students with real-time academic insights, fostering a culture of accountability and informed decision-making within the academic community.

Advancing Healthcare with AWS Cloud: The Role of AI and Machine Learning in Transforming Medical Practices

Jan 2025 - Present

- Drafting an in-depth review paper that critically examines how integrating cloud technology with AI/ML is revolutionizing modern healthcare delivery and patient outcomes.

TECHNICAL SKILLS

Languages: Python, Java, SQL, C, C++, JavaScript, R, React, Next.js, HTML, CSS, Verilog, Matlab, Assembly

Frontend: HTML, CSS, JS, Tailwind, Bootstrap, Next.js

Data Visualization: Matplotlib, Seaborn, Plotly

ML Tools: Pandas, NumPy, Scikit Learn

LLMs: LangChain, HuggingFace, Transformer, Llama, Open AI

Database Management: MySQL, SQL Plus, MongoDB

Web Technologies: Flask, Next.js, Axios

Cloud Technology: AWS

Operating Systems: Linux, Windows

EXTRACURRICULAR AND SPORTS ACHIEVEMENTS

The Institution of Technology and Engineering (IET-VIT) | Vice Chairperson and Media Head

Jan 2024 – Feb 2025

International Chess Player | Active Indian Rank: 579

Outstanding Chess Performance Award, 2023 – 2024

1 Silver at All India Inter Zone Inter University Chess Championship

2 Gold at 65th U17 SGFI National Chess Championship

1 Gold at 9th U16 National Schools Chess Championship

1 Gold at U17 CISCE National Chess Championship

Jan 2010 – Present

Vellore Institute of Technology | 2024

Manipal Academy of Higher Education | 2023

Kolkata, WB | 2019

Aurangabad, MH | 2019

Amritsar, PB | 2019