ADITYA SHARMA

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EDUCATION

Vellore Institute of Technology, Vellore

B.Tech in Computer Science and Engineering   *Sept 2022 - ongoing*
(Specialization in Data Science)   *GPA: 8.38*

PROFESSIONAL EXPERIENCE

JURIDENT (VALSCO TECHNOLOGY)   *Inclubated under VIT-TBI, Vellore*

Front-End Developer Intern   *Valsco Tech*   *Jun 2025 - ongoing, Full-Time*

Developed web applications using React.js and TailwindCSS, contributing to the full software development lifecycle.
- Built responsive client and admin components and pages using React.js and TailwindCSS for an e-commerce site.
- Worked closely with UI/UX and backend teams to deliver clean, scalable front-end features.
- Collaborated with a team of 10 members to make implementable decisions according to the given requirements.

SELECTED PROJECTS

Resolute   *Website* | *GitHub*   *10 Jun 2025 - 24 Jun 2025, Full-Stack, Generative AI*
Tech Stack: MERN, TailwindCSS, Docker, Mistral AI, Puppeteer, Vercel, Render, AWS S3

Built a free, ATS-friendly resume building platform with storage and sharing and deployed on Vercel & Render.
- Developed a component-driven UI with responsive design across key pages; Containerized backend with Docker.
- Integrated resume export with Puppeteer, image uploads via AWS S3, and AI-powered ATS analysis using MistralAI.
- Boosted user engagement by 40%+ with public-sharing features and secured user data with JWT Authentication.

Credit Card Fraud Detection   *25 Jun 2025 - ongoing, Machine Learning*
Tech Stack: Python, Scikit-learn, XGBoost

Developed an ML pipeline to detect fraudulent credit card transactions on an imbalanced dataset of 50k+ transactions; and compared accuracy of multiple predictive models.
- Performed EDA in detail to analyze the transactions and applied SMOTE techniques to class imbalance.
- Trained and evaluated multiple models including logistic regression, decision trees & XGBoost to detect fraud.
- Compared the accuracy of predictive models using confusion-matrix visualizations from Seaborn to find best-fit.

MC On-The-Go   *16 Apr 2025 - ongoing, Full-Stack*
Tech Stack: MERN, Socket.io, WebRTC, TailwindCSS, Framer Motion, Git, Jira

Developed a full-stack platform for 500+ VIT Music Club members to manage events, bookings, and collaboration.
- Built responsive, multi-device pages; added a slot-booking system with Express.js, reducing access time by 50%.
- Enabled collaboration through custom features like band formation, genre-grouping, and event-calendar integration.
- Integrated secure admin control features to enable proper distribution of services among the members.

PROFESSIONAL SKILLS

CS Fundamentals: DSA, OOP, Computer Networks, OS, CI/CD, Agile Methodologies
Languages: Java, Python, C++, R, JavaScript, HTML5, CSS3
Frameworks & Tools: React.js, Node.js, Express.js, TailwindCSS, Git, Jupyter Notebook
Libraries & Platforms: Scikit-learn, PyTorch, NumPy, Pandas, Matplotlib, Seaborn, Kaggle, GitHub
Databases & Deployment: MongoDB, SQLPlus, AWS (S3), Vercel, Render, GitHub Pages

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CERTIFICATIONS

IBM Generative AI with WatsonX   *Certificate*   *Jun 2025 - Jun 2025*
IBM AI Engineering   *Jun 2025 - ongoing*
Supervised Machine Learning by DeepLearning.AI   *Certificate*   *Jun 2024 - Jul 2024*

ACHIEVEMENTS

Secretary @ VIT Music Club   *Jan 2025 - ongoing, Full-Time*

Led the VIT Music Club as Secretary, managing 15+ music events, and operations for a 500+ member community.
- Led a team of 13 board members and 25 core team members to plan & conduct music-events and PR Activities.

- Organized the recruitments of 150+ new inductees for 2025 by planning & conducting 4-day mass-auditions