

# Shubhankar Vyas

Full-Stack Developer — Cloud and DevOps Enthusiast — SDE

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## Professional Summary

Results-driven B.Tech student in Internet of Things with strong foundations in OOP, data structures, and algorithms. Skilled in building full-stack web applications using React, Node.js, Express, and Firebase. Experienced in deploying scalable solutions on Azure and GCP with Docker and GitHub Actions. Adept at RESTful API development, CI/CD pipelines, and Agile practices. Passionate about problem-solving, automation, and delivering high-performance code.

## Education

- Madhav Institute of Technology and Science (MITS), Gwalior** *Aug 2022 – Present*  
Bachelor of Technology in Internet of Things *CGPA: 7.8 / 10*

## Work Experience

- Full-Stack Developer Intern** — CrowdWisdomTrading (Remote) *Jun 2025 – Present*
  - Built and deployed 6+ automation workflows using n8n, Slack, WhatsApp APIs, and Google Sheets.
  - Developed scalable frontend components with React and TailwindCSS for optimal UX on all screen sizes.
  - Automated Azure VM deployments using Docker and GitHub Actions ensuring zero-downtime releases.
  - Managed Azure cloud infrastructure with logging, snapshots, and health monitoring configurations.
  - Followed Agile Scrum methodologies and contributed to sprint planning, reviews, and retrospectives.

## Projects

- StarkFinance – AI Investment Assistant** *React, Node.js, Firebase, Gemini API*  
Live | Code
  - Developed AI-based dashboard offering financial analytics and investment recommendations.
  - Integrated Google Gemini API for real-time stock insights using LLM-generated summaries.
  - Implemented Firebase Authentication and Firestore with secure custom domain deployment via Vercel.
- CHM: Health Partner** *React, Express, Node.js, MongoDB, Cloudinary, Tailwind CSS*  
Live | Code
  - Built a health management web app that streamlined patient record access and reduced paperwork by 75%.
  - Tracked historical medical data with prescription uploads; integrated secure media handling via Cloudinary.
  - Integrated JWT-based authentication and role-based access requiring explicit patient consent.
- MedVault – Blockchain Health Records Platform** *Solana, TypeScript, IPFS*  
Live | Code
  - Created a decentralized platform for storing encrypted health records using AES and IPFS.
  - Enabled Solana wallet authentication for role-based access control for doctors and patients.
  - Set up smart contract-based notifications on new record uploads and access events.
- Solar Load Forecasting with Deep Learning** *Python, TensorFlow, Matplotlib*  
Code
  - Engineered a hybrid CNN-LSTM model for solar power prediction using weather time series.
  - Achieved RMSE: 1.28 and MAPE: 7.4% on validation datasets.
  - Packaged model as CLI utility and integrated visualization for insights using Matplotlib.

## Technical Skills

**Languages:** JavaScript, TypeScript, Python, Java, C++

**Frontend:** React, TailwindCSS, HTML5, CSS3

**Backend:** Node.js, Express, REST APIs, JWT, EJS

**DevOps/Cloud:** GitHub Actions, Docker, Azure, GCP, Firebase, Vercel, Supabase

**Databases:** Firestore, MongoDB, PostgreSQL, MySQL

**Testing:** Jest, Mocha, Postman

**Concepts:** DSA, OOP, CI/CD, Agile, System Design, Version Control (Git)

## Achievements and Certifications

- GATE 2025 Qualified** – National-level engineering entrance (Data Science AI)
- AIR 90 – ANICAT 2025** – Top 100 in national aptitude test by Naukri.com
- Hackathon Finalist – Haksagon 2025** – Ranked in top 10 out of 1000+ teams
- Research Publications** – Presented papers at ISCMCTR 2025 and CTSEM 2025 (AI + IoT)
- Certifications:** Google Data Analytics (Coursera), Industry 4.0 – NPTEL (IIT Kharagpur)

## Additional Skills

Problem Solving, Communication, Debugging, Analytical Thinking, Team Collaboration, Time Management, Ownership Mindset