

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 object-oriented programming, 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 development 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*
 - 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.
- MedVault – Blockchain Health Records Platform** *Solana, TypeScript, IPFS*
 - 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*
 - 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