

Satyam Dwivedi

📞 +91-8438913057 — 📍 Vellore, Tamil Nadu, India — 📩 satyamdwivedi419@gmail.com
🌐 satyamdwivedi.com.np — 🐾 github.com/satyamdwivedi7 — 💬 linkedin.com/in/satyam7579

SUMMARY

AWS Certified Computer Science student specializing in full-stack development with React, Node.js, and Flutter. Successfully built scalable applications including an e-commerce platform that automated processes and reduced backend workload by 20%. Seeking to apply technical expertise to a challenging Software Engineer position.

EDUCATION

Bachelor of Technology in Computer Science and Engineering Vellore Institute of Technology, Vellore	Expected July 2026 CGPA: 8.68/10.0
<i>Relevant Coursework:</i> Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Artificial Intelligence	

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, Flutter, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Backend:** Node.js, Express.js, REST APIs, Firebase, MongoDB, Redis, MySQL
- **Languages:** JavaScript, TypeScript, C++, Python, Java
- **Tools & Platforms:** Linux, Docker, Git, Postman, Vercel, AWS (Solutions Architect Associate)
- **Core Concepts:** Data Structures & Algorithms, Generative AI, Agile Methodology

EXPERIENCE

Full Stack Developer Intern (Part-Time) Nepbyte Technologies, Hybrid	September 2024 – February 2025
• Engineered a scalable e-commerce platform for product, order, and inventory management, reducing backend workload by 20% through process automation and modular Node.js architecture	
• Designed core modules for a company-wide CRM/ERP system, streamlining business workflows and reducing client on-boarding costs by 15%	January 2024 – December 2024
Web Developer Advanced Developers Group, Vellore Institute of Technology	

PERSONAL PROJECTS

Solar PV Placement & Hybrid Storage Optimization using ML Strategies	GitHub
• Built a multi-objective optimization framework using NSGA-II to determine optimal PV tilt angles and hydrogen-battery storage sizing, maximizing energy generation while reducing overall system cost.	
• Processed 5 years of NSRDB irradiance data and simulated PV output using pvlib; applied ML models (XGBoost, Random Forest, LightGBM) for daily solar-energy forecasting and validated results with RMSE and MAPE.	
• <i>Technologies:</i> Python, PVLib, scikit-learn, XGBoost, LightGBM, Prophet, NumPy, Pandas, Matplotlib	GitHub
PayNote	
• Developed a cross-platform personal finance application enabling 20+ beta users to log expenses, visualize spending patterns, and manage budgets	GitHub
• Implemented a secure REST API with JWT-based authentication for user data management and transaction processing	GitHub
• <i>Technologies:</i> Flutter, Node.js, Express.js, MongoDB	GitHub

CERTIFICATIONS

• AWS Certified Solutions Architect – Associate View Credential	2025
• Oracle Cloud Infrastructure Generative AI Professional View Credential	2025

ACHIEVEMENTS

• Participant in DevJams 48-Hour Hackathon (GDSC-VIT)	2024
• 1st Runner-Up in Clash of Bugs 2.0 (University-level Debugging Contest)	2023