Bathula Akshitha Yadav

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EDUCATION

- **Bachelor of Technology, Computer Science and Engineering** — *2022–2026*
  Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada — CGPA: 9.20

TECHNICAL SKILLS

- **Programming Languages**: Java, C, Python
- **Web Development**: HTML, CSS, JavaScript, Django (Basic), React.js, Flask(Basic), Streamlit
- **Databases**: SQL, MySQL
- **Developer Tools**: Git, GitHub, VS Code, Google Colab, PgAdmin
- **Soft Skills**: Problem Solving, Time Management, Team Collaboration, Analytical Thinking, Self-Motivation

INTERNSHIPS

- **Full Stack Developer Intern** — *Apr 2025 – Jul 2025*
  L4G Solutions Private Limited — Remote
  - Designed and developed an interactive payment portal using HTML, CSS, and JavaScript, deployed on AWS S3 achieving 85% uptime and 30% faster data retrieval, enhancing overall user experience.
  - Built a comprehensive dashboard system using HTML, CSS, JavaScript, Django templates, and PostgreSQL for course progress tracking and automated certificate generation from CSV data.

PROJECTS

- **Quantum State Visualization and Optimization** — *Aug 2025 - Sep 2025*
  - **Tech Stack**: Qiskit, Python, Streamlit
  - Built a scalable quantum circuit editor and visualizer for 30+ qubits with Bloch-sphere interaction
  - Added AI-driven validation, error detection, and real-time optimization with large-qubit visualization
- **BioChain: Blockchain-Based Facial Data Privacy System** — *Mar 2025 - May 2025*
  - **Tech Stack**: HTML, CSS, JavaScript, Python, Flask, Solidity, MTCNN, PLSB Watermarking, Remix Ethereum
  - Implemented facial image processing using MTCNN for detection and PLSB watermarking to embed QR codes, securing hash values on the Sepolia blockchain via Solidity smart contracts.
  - Built a user-friendly interface with HTML, CSS, and JavaScript, integrating MetaMask for transaction signing and using Blockscout to verify and retrieve blockchain-stored data.
- **Deep Learning-Based Autism Detection in Pediatric Population** — *Dec 2024 - Feb 2025*
  - **Tech Stack**: TensorFlow, Keras, OpenCV, CNN, Flask, HTML, CSS, JavaScript, Google Maps API
  - Developed a CNN model for early ASD detection in children through facial feature analysis, achieving 92% accuracy.
  - Integrated Google Maps API to locate nearby therapy centers and hospitals for early intervention access.
- **Automated Bulk Email System with Real-Time Campaign Management and Analytics Dashboard** — *Oct 2024 - Nov 2024*
  - **Tech Stack**: Python, Flask, Streamlit, MySQL, SMTP, Gmail API
  - Built user management dashboard for recipient lists and email templates using Flask, Streamlit, and MySQL integration.
  - Implemented real-time email delivery tracking and campaign performance analytics for optimized outreach.

CERTIFICATIONS

- **Programming**: Java Programming Fundamentals (Infosys SpringBoard), Python Essentials 2 (Cisco Networking Academy)
- **Data Science**: Introduction to Data Science with Python (edX)
- **Networking**: CCNAv7: Switching, Routing, and Wireless Essentials (Cisco Networking Academy)

ACHIEVEMENTS

- **Top 250 Finalist** out of **113,186+ participants** in **Walmart CodeHers 2025** — A national-level coding competition organized by Walmart Global Tech India (WMGTI).
- Secured Top 3 Ranking out of 100 teams in the Amaravathi Quantum Valley Hackathon (Internal Level) conducted at VRSEC.
- Shortlisted for **Amazon ML Summer School 2025** by Amazon — selected in the top 3000 out of 60,000+ applicants.
- Secured **3rd position** in **Micro Case Study Competition 2025**, organized by VRSEC in collaboration with **GradRight**.
- Solved **500+** coding problems on various platforms such as LeetCode and GeeksforGeeks
- Shortlisted in **Technova 2025 Hackathon** at SVECW for AI-driven healthcare innovation.
- Selected in Internal level **Smart India Hackathon 2024**, organized by VRSEC.
- **Flipkart GRiD 7.0**, 2025 Semi-Finalist

POSITIONS OF RESPONSIBILITY

- **Competitive Programming Lead at MLSC VRSEC**: Directed programming initiatives, organized coding competitions with 300+ participants, and mentored students.
- **Academic Support Volunteer (ASV) at Make A Difference (MAD)**: Provided academic support and mentorship to students.
- **Technical NSS Member**: Participated in cybersecurity awareness programs and supported technical workshops for students.