

HARSHIT VOOTUKURI

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EDUCATION

Vellore Institute of Technology <i>B.Tech Computer Science, specialization in Data Science; CGPA 8.73</i>	Vellore, Tamil Nadu 2022 – 2026
FIITJEE Junior College <i>Intermediate Public Examination 96.4%</i>	Hyderabad, Telangana 2020 – 2022



TECHNICAL SKILLS

Languages: Java, C/C++, Python, Go, Rust, R, Typescript, SQL
Development Tools: Linux, Bash, Git, Github, Vercel
Databases & Backend: Postgres, MySQL, REST
Frameworks and Libraries: React, Next.js, Tensorflow, Scikit-Learn, Pandas, Numpy
Cloud Platforms: Google Cloud Platform (GCP), Amazon Web Services (AWS)

EXPERIENCE

Garner Business <i>Software Development Engineer Intern</i> <ul style="list-style-type: none">Built backend services using Next.js API routes and TypeScript to automate personalized emails via Amazon SES.Developed a content creation and review pipeline supporting version control and approval stages.Handled email replies via AWS Lambda and SES inbound routing; secured multi-sender authentication.	May 2025 – Present Remote
IFB Industries Ltd. <i>Data Analytics Intern</i> <ul style="list-style-type: none">Cleaned and organized large datasets using Python (Pandas, NumPy), SQL, and Excel.Modeled seasonal patterns with time series forecasting for marketing optimization.Built a pipeline for verifying store coordinates using Python and Google Maps API.	June 2024 – July 2024 Verna, Goa
ACM-VIT Student Chapter <i>Developer, Senior Core Member</i> <ul style="list-style-type: none">Developed tools to improve student access to the institutional portal.Organized Systems Reading Groups on OWASP, DB internals, and Git workflows.Managed technical events, workshops, and competitions.	April 2024 – Present Vellore, Tamil Nadu

PROJECTS

Optical Character Recognition Model  <i>Tools: Keras in R Dataset: MNIST</i> <ul style="list-style-type: none">Built a hybrid CNN + LSTM model for recognizing handwritten digits.Reshaped image data for sequence learning with minimal loss.Tuned hyperparameters to achieve 98%+ accuracy.	March 2025
Woxhunt <i>Tools: Next.js, TypeScript, PostgreSQL, Drizzle ORM, OAuth, Hashing Algorithms</i> <ul style="list-style-type: none">Built an interactive treasure hunt website with dynamic question flow and real-time progress tracking.Implemented secure user authentication using OAuth and designed hash-based validation for answer submissions.Utilized PostgreSQL with Drizzle ORM for scalable and maintainable data management.Hosted for over 80 participants; ensured stability and responsiveness throughout the event.	February 2025
CLI-TOP  <i>Tools: Go, Cobra CLI, BurpSuite</i> <ul style="list-style-type: none">Developed a CLI for the student portal with course downloader and efficient caching.Optimized performance and usability; 100+ active users.Wrote developer docs covering setup, architecture, and contribution flow.	October 2024

CERTIFICATIONS

Google Cybersecurity Professional Certificate 	December 2024
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