

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

SUMMARY

Computer Science student specializing in data science with proven expertise in backend development, data analytics, and cloud platforms. Proficient in **Python, Java, C/C++ , Go, and R**, with hands-on experience in **React, Next.js, and TensorFlow**. Demonstrated success building scalable services, automating workflows, and delivering data-driven solutions using **AWS, GCP, and SQL databases**. **Azure AI Engineer Associate** and **Google Cybersecurity Professional Certificate** holder with a track record of technical leadership and community contribution.



EXPERIENCE

Garner Business <i>Software Development Engineer Intern</i> <ul style="list-style-type: none">• Built automated email systems using Next.js API routes and TypeScript with Amazon SES integration• Developed a content creation and review pipeline supporting version control and approval stages.• Handle email replies via AWS Lambda and SES inbound routing with multi-sender authentication	May 2025 – Present <i>Remote</i>
ACM-VIT Student Chapter <i>Developer, Senior Core Member</i> <ul style="list-style-type: none">• Developed student portal access tools to improve institutional system usability• Organized technical reading groups on OWASP, database internals, and Git workflows• Managed technical events with over 700 participants including workshops and programming competitions	April 2024 – Present <i>Vellore, Tamil Nadu</i>
IFB Industries Ltd. <i>Data Analytics Intern</i> <ul style="list-style-type: none">• Cleaned and analyzed large datasets using Python (Pandas, NumPy), SQL, and Excel• Built time series forecasting models for seasonal pattern analysis and marketing optimization• Developed automated coordinate verification pipeline using Python and Google Maps API	June 2024 – July 2024 <i>Verna, Goa</i>


TECHNICAL SKILLS

Languages: Python, Java, C/C++ , Rust, Go, 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: Microsoft Azure, Google Cloud Platform (GCP), Amazon Web Services (AWS)

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-RPG (CLI game built in Rust)  <i>Tools: Rust, Ratatui (TUI Library), Crossterm (Terminal Control), Clap (Argument Parsing)</i> <ul style="list-style-type: none">• Built interactive RPG in Rust with multi-threading and optimized data structures for seamless gameplay performance.• Spearheaded integration of multiple games including Minesweeper and typing test with background music implementation.• Achieved 100+ downloads with active player base across campus, demonstrating broad student appeal	June 2024

CERTIFICATIONS

Azure AI Engineer Associate 
Google Cybersecurity Professional Certificate 

July 2025
December 2024