

Shashank Atmakur

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Professional Summary

Motivated and certified Computer Science graduate skilled in full-stack development (MERN, .NET), deep learning, and IoT. Proven ability to lead and deliver AI-focused projects, develop scalable web applications, and integrate hardware-software systems. Seeking to leverage my skills in entry-level opportunities to apply hands-on experience in building secure, real-world tech solutions.

Education

JNTUH University College of Engineering | Jagtial, TS *Bachelor of Technology — Expected: June 2027*

Major: Computer Science and Engineering

SGPA: 7.33 / 10.0 (Up to 2nd Year)

Relevant Coursework: AI, ML, DL, Software Design, Internet of Things, Embedded Systems.

Government Polytechnic Warangal | Warangal, TS *Diploma in Engineering*

April 2024

Major: Computer Engineering.

CGPA: 9.41 / 10.0

Relevant Coursework: Data Structures & Algorithms, Full Stack Development, .NET Framework.

Technical Skills

Languages: Java, Python, C++, C, C#, JavaScript, PHP

Frameworks/Libraries: React.js, Node.js, Express.js, Flask, ASP.NET, Spring Boot, Bootstrap, Next.js, TensorFlow, PyTorch

Databases: MongoDB, MySQL, Firebase, Oracle, Neo4j

Tools & Platforms: Git, Arduino IDE, Firebase Hosting, Visual Studio Code

Concepts: Deep Learning, Adversarial Attacks, IoT, Prompt Engineering, Cybersecurity, Cloud Integration

Work Experience

Software Development & IoT Intern

Sri Bhadrakali Technology Pvt Ltd, Warangal — *Dec 2023 – May 2024*

- Completed immersive training in Java, Python, .NET, and IoT systems with practical project implementation.
- Developed sensor-based applications using microcontrollers, improving data acquisition speed by 30%.
- Awarded A+ for project performance in a 5-month industrial program.

Independent Developer

Remote/Freelance — *2021–Present*

- Designed, developed, and deployed 3+ responsive web applications using the MERN stack, resulting in improved engagement and load performance.
- Integrated Firebase Authentication and Firestore for real-time user data and file storage.
- Achieved 40% increase in user engagement through UI optimization and real-time data synchronization.
- Deployed on Firebase Hosting, Render, and GitHub Pages.

Projects

Adversarial Attacks on Text CAPTCHAs – *Python, CNN, MobileNet, Flask*

- Implemented FGSM and I-FGSM adversarial models to test CAPTCHA vulnerabilities.
- Successfully reduced model accuracy by 80% under attack scenarios.
- Deployed interactive Flask-based UI for real-time CAPTCHA attack testing.

Smart Pole Safety System – *Embedded C, Arduino Uno, GPS/GSM Module*

- Enabled emergency response within 10 seconds by integrating GSM module with GPS tracking.
- Developed an IoT device for emergency alerts with live location tracking.
- Configured alert system to trigger buzzer and dispatch emergency SMS to authorities.
- Successfully tested in 3 safety simulations with >90% alert accuracy.
- Capstone Project – Final year of Diploma in Computer Engineering.

Full Stack Web Applications – *React, Node.js, Express, MongoDB*

- Engineered secure, scalable full-stack applications using React, Node.js, Express, and MongoDB.
- Used GitHub version control across 100+ commits to manage production-ready codebases.
- Implemented authentication, storage, and routing with Firebase and Firestore.

Certifications

- Srujana Tech Fest – State Level Participation (Feb 2024).
- Industrial Training Certification – Sri Bhadrakali Technology Pvt Ltd (May 2024).
- Java Programming & Java Fundamentals – Oracle Academy (Dec 2024).
- Cybersecurity Essentials – Cisco Networking Academy (Mar 2023).
- Ethical Hacker & Junior Cybersecurity Analyst – Cisco (Mar 2023).
- JavaScript Essentials – Cisco (Apr 2023).
- Learn Apache Maven – Simplilearn (May 2025).

Achievements

- Led a 5-member team to deliver AI project one week ahead of schedule (Jun 2025).
- 5th place out of 60+ teams – Srujana Tech Fest (Feb 2024).
- Participated in Smart India Hackathon – Implemented Deep Learning - based image processing (Dec 2024).

Soft Skills

- Leadership: Led AI research project team through structured task management.
- Problem-Solving: Resolved real-time Firebase integration issues.
- Communication: Maintained clear coordination between frontend and backend teams.
- Adaptability: Rapidly picked up and implemented new tools during internships and projects.