Shashank Atmakur

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Full Stack Developer (MERN/.NET) | AI & IoT Projects | Cybersecurity Certified

Professional Summary

Computer Science undergrad passionate about solving real-world problems through technology. With hands-on experience in Deep Learning, Adversarial AI, IoT systems, and full-stack development (MERN & .NET), Seeking internships or entry-level opportunities to apply and grow technical expertise.

Career Objective

AI-focused engineering student with hands-on experience in Deep Learning, IoT systems, and full-stack development. Passionate about building secure, scalable applications and contributing to real-world problem-solving through technology.

Education

JNTUH University College of Engineering │Jagtial, TS *Bachelor of Technology* *Expected:* **June 2027**
Major: Computer Science and Engineering SGPA: 7.33/10.0(2-1)
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

- **Programming Languages:** Java, C, C++, Python, C#, JavaScript, PHP
- **Web & Frameworks:** React.js, Flask, Node.js, Express.js, ASP.Net, Bootstrap, Spring Boot, Next.js
- **Database:** MySQL, MongoDB, Firebase, Oracle, Neo4j
- **Tools:** Git, Postman, Arduino IDE, Visual Studio Code, Firebase Hosting
- **Concepts:** Adversarial Attacks, Deep Learning, IoT, Transfer Learning, Cybersecurity, Prompt Engineering, Cloud Integration

Certifications & Courses

- Java Programming & Java Fundamentals | Oracle Academy
- Cybersecurity Essentials | Cisco Network Academy
- Ethical Hacker & Junior Cybersecurity Analyst | Cisco Networking Academy
- JavaScript Essentials | Cisco Network Academy
- Learn Apache Maven | Simplilearn

Projects

Adversarial Attacks on Text CAPTCHAs | AI Security Research *JNTUH UCEJ (2024–25)*
B.Tech Project

- Designed adversarial attacks (FGSM, I-FGSM) on CAPTCHA images using CNN and MobileNet.
- Evaluated model robustness via accuracy degradation under attack conditions.
- Deployed as a Flask-based web app for real-time CAPTCHA testing.
- Reduced classification accuracy by 80% using FGSM.

Smart Pole Safety System | IoT & Embedded Systems | GitHub   *GPT Warangal (2023–24)*
Diploma Final Year Project

- Built a Smart Pole using Arduino Uno, GPS, GSM (SIM900A), and buzzer for women's safety.
- Sent emergency alerts with live location to authorities and triggered alarm/siren system.
- Embedded C and Arduino IDE used for hardware-software integration.

Full Stack Web Applications (Independent Projects)   *2021–Present*

- Created 3+ MERN-stack applications with Firebase Authentication and Firestore.
- Deployed via Render, GitHub Pages; integrated real-time storage and secure routing.

Key Achievements

- 5th place in State level Srujana Tech Fest – February 2024
- Participated in Smart India Hackathon implemented Image Processing using DL – December 2024
- Participated in multiple Hackathons finished in top 10%.
- Led a 5-member team and completed the Adversarial attack project 1 week ahead of schedule.
- Developed and deployed 3+ full stack web applications using React.js, Node.js, Express.js, and MongoDB, improved user engagement by 40%.
- Integrated Firebase Authentication, Firestore, and Cloud Storage for real-time data handling and file uploads.
- Deployed web applications using Render, Firebase Hosting, and GitHub Pages for production-ready access.

Soft Skills

- Quick Learner: Rapidly grasps new technologies and frameworks.
- Problem-Solving: Resolved integration issues across Firebase.
- Team Leadership: Successfully Led the Adversarial Attack on Text CAPTCHAs project, managing multi-disciplinary tasks.
- Communication: Maintained clear and effective communication across development roles.