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Waddepally,
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Shashank Atmakur

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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

ENGINEERING EXPERIENCE

Independent Developer | 2021-Present

- 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.

ENGINEERING 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.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

[Certifications](#) | [Shashank Atmakur](#) | [LinkedIn](#)

- 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

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%.