

## Piyush Patil

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### Summary

Third-year B.Tech student in AI & Data Science, proficient in **Python**, **React.js**, and **AI solutions**. Led a project internship at Panache Digilife, developing an IoT-based Air Quality Monitoring System with **Firebase** and machine learning. Spear-headed ONION ERP AI with **RAG** at Hack-AI-Thon 2025. Holds **Google Cloud** and **AWS** certifications. Passionate about web development and AI innovation.

### Technical Skills

- **Languages:** Python, Java, JavaScript, C, HTML5/CSS3
- **Frameworks & Libraries:** React.js, Flask, Quill, OpenMap
- **Databases & Tools:** MongoDB, Clerk, Firebase, Git, GitHub
- **Familiar With:** REST APIs, Machine Learning (CNN, RAG), IoT, JSON

### Professional Experience

#### Project Intern, Panache Digilife

Jan 2025–Present

- Designed IoT-based Air Quality Monitoring System using sensors and ML, achieving 85% accuracy in air quality predictions.
- Configured **Firebase** for real-time data storage, improving access efficiency by 30%.

#### GDSC Participant, VESIT

Sep 2023–Dec 2023

- Mastered **Google Cloud Skills Boost** certifications, completing 10+ labs in cloud and GenAI.

### Projects

#### Research Collaboration Hub (React.js + Quill)

Mar 2025

- Built real-time collaborative editor using **Quill** for Invictus Hackathon 2025, serving 30+ users.
- Integrated **Clerk** for secure authentication, reducing errors by 40%.

#### Women's Services Platform (React.js + OpenMap)

Jan 2025

- Developed safety platform with **OpenMap** for Syrus Hackathon 2025 finals, tested by 20+ users.
- Delivered prototype in 48 hours with real-time location services.

#### Deepfake Detection Model (Python + CNN)

Jan 2025

- Built CNN-based deepfake detection model in Python, achieving 82% accuracy.

### Education

#### VES Institute of Technology

2022–2026

B.Tech in Artificial Intelligence & Data Science, CGPA: **8.61**

**Relevant Coursework:** Database Systems, AI, Machine Learning, Data Structures, Web Development

### Certifications

- **Google Cloud Skills Boost** : Cloud Computing, GenAI (2023)
- **AWS Academy** : Machine Learning Foundations (2024)
- **Fundamentals of Deep Learning** : NVIDIA Certified (2024)

### Achievements

- **Finalist, Hack-AI-Thon 2025:** Top 5/50 teams for ONION ERP AI with **RAG** and React.js for intuitive data retrieval.
- **Finalist, Syrus Hackathon 2025:** Top 8/200+ teams for women's safety platform with real-time mapping.
- **Winner, Awakening the Scientist 2022:** Recognized among 100+ for innovative project.

### Leadership

#### PR Head, VESIT eSports

2023–Present

- Boosted event visibility via **Instagram** and **Discord**, increasing participation by 30%.
- Managed 5+ esports tournaments for 100+ participants with seamless logistics.

#### Team Lead, Hack-AI-Thon 2025

Jan 2025

- Led 4-member team to develop ONION ERP AI with **RAG**, securing top 5 in 36 hours.

#### Team Lead, Syrus Hackathon 2025

Jan 2025

- Directed 3-member team to build finalist safety platform in 24 hours.