

Utkarsh Rounak

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LinkedIn | GitHub

EXPERIENCE

ZIDIO DEVELOPMENTS | WEB DEVELOPMENT INTERN

Jul 2024 – Oct 2024 | Remote

- Built 5 responsive web pages using React and Bootstrap, increasing engagement by 30%.
- Led 12 cross-team code reviews, reducing bugs by 40%.
- Deployed full-stack features on AWS with 99.9% uptime.

LEARNTRICKS EDUTECH | FRONT-END INTERN

Jun 2024 | Remote

- Designed 4 ReactJS landing pages, boosting conversions by 22%.
- Optimized load time from 3.5s to 1.2s by reducing CSS/JS overhead.
- Improved login UX, reducing user errors by 45%.

IEEE CS, VIT CHENNAI | TECHNICAL TEAM MEMBER

Oct 2023 – Mar 2025 | Chennai, India

- Maintained 6 IEEE event websites with 2,000+ monthly visitors.
- Managed technical flow for 5 hackathons with 150+ participants.
- Built 2 scalable APIs handling 5k+ requests weekly.

PROJECTS

S-ROVER | IEEE YESIST'12 WORLD FINALIST

Mar 2024 | VIT Chennai

- Developed autonomous rover with 95% terrain nav accuracy.
- Real-time stitched 200+ images/min with OpenCV pipeline.
- Represented team in top 8 of 30 global IoT finalists.

ANK.DATA | DEVSHOUSE'24 TOP 4 PROJECT

Mar 2024 | VIT Chennai

- Built smart-city IoT dashboard analyzing 1k+ readings/hr.
- Reduced decision time by 50% via analytics visualizer.
- Top 4 out of 120+ projects, 99.5% data accuracy score.

JPEG COMPRESSION | IMAGE PROCESSING

2024 | VIT Chennai

- DFT/IDFT-based compression achieving 99% size reduction.
- Python code ran 25% faster than MATLAB equivalent.

SIGNAL JAMMER | ANALOG ELECTRONICS

2024 | VIT Chennai

- Jammer circuit with BJTs and 555 timer; tested in 20 trials.
- Frequency tuning stable within $\pm 2\%$ over 10–60m range.

EDUCATION

VIT CHENNAI

B.TECH, ECE

2022 – 2026 (Exp.) | CGPA: 9.17

DAV PUBLIC SCHOOL, RANCHI

HIGHER SECONDARY (CBSE)

2021 | 95.2%

MATRICULATION (CBSE)

2019 | 96.2%

SKILLS

Programming:

Python, C/C++, Java, JavaScript, ReactJS, HTML, CSS, MATLAB, Streamlit, Verilog HDL

Tools & Platforms:

Arduino, ESP32, LTSpice, Virtuoso, Quartus, DE10-Lite, LangChain, Hugging Face

LANGUAGES

English (Fluent)

Hindi (Fluent)

Spanish (Basic)

Japanese (Basic)

LEADERSHIP &

ACTIVITIES

NCC Captain (School)

Discipline Head (2 yrs)

Event Manager – College Expos

SOFT SKILLS

Team Leadership

Goal-Oriented

Fast Learner

Adaptability

HOBBIES

Cricket, Writing

Sketching, Skating

LINKS

GitHub | LinkedIn