

Garv Mittal

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PROFESSIONAL SUMMARY

Results driven Computer Science undergraduate specializing in IoT with strong skills in Software Development and Web Dev. Experienced in building scalable applications using C++, JavaScript, React.js, and APIs, along with cloud platforms like AWS and Oracle Cloud. Completed internships as a Frontend Developer and Software Engineer Trainee, where I gained hands on experience in SDLC, UI/UX, and collaborative agile projects. Recognized at national hackathons (Build With India, Pentathon) for innovation, problem-solving, and teamwork. Solved coding problems across platforms, demonstrating analytical thinking and adaptability. Eager to contribute by delivering efficient, user-centric, and innovative solutions

EDUCATION

- **B.Tech (CSE w/s IOT)** (7.35 CGPA till 6th SEM) **(2022-26)**
SRM Institute of Science and Technology (SRMIST), Chennai, T.N.
- **Class-XIith (2022)** (Vanasthali Public Sr. Sec. School, Meerut, U.P.)
CBSE- Grades: 70.6%
- **Class-Xth (2020)** (K.L. International School, Meerut, U.P.)
CBSE- Grades: 71.2%

VOLUNTEERING EXPERIENCES

- Committee Head, Directorate of Student Affairs , SRM University
(Sept'24-Aug'25)
- Committee Member, Directorate of Student Affairs , SRM University
(Jul'23-Sept'24)
- Volunteer, Aaruush, SRM University
(Sept'22-Aug'23)

EXPERIENCES (<https://www.linkedin.com/in/mittal-garv/>)

- **SoftBlend Tech- Frontend Developer Intern** | Dec 2024 - Jun 2025 | Remote
 - Applied **SDLC** methodology to integrate REST APIs, debug UI issues, and optimize performance by 20%. Built dynamic, responsive UIs with React.js and integrated REST APIs for seamless data flow.
 - Led a team project to deliver a critical feature 2 weeks ahead of schedule, earning praise for efficiency.
 - Participated in code reviews and sprint planning, improving code quality by 25%.
 - Received a Letter of Recommendation for resolving critical UI bugs and accelerating feature delivery by 2 weeks during internship.
- **Crinoid Technologies- Software Engineer Trainee** | Oct 2024 - Dec 2024 | Hybrid
 - Highlight Core Java, APIs, testing, Agile teamwork, bug fixing.
 - Developed scalable web applications using React.js, following agile methodologies.
 - Collaborated with senior engineers to debug and optimize frontend performance, reducing load time by 30%.
 - Contributed to client projects, ensuring adherence to coding standards and deadlines.
 - Recognized with a completion certificate for exemplary dedication and technical grow

TECHNICAL SKILLS

- **Frontend:** React.js, HTML5/CSS3, JavaScript, Tailwind
- **Programming:** Python, C++, JavaScript, Java
- **IoT:** Arduino, Raspberry Pi, Sensor Integration
- **Tools:** Git, GitHub, VS Code, MS Office, MySQL, GraphQL (Basics)

SOFT SKILLS

- Problem-Solving | Communication
- Team Collaboration | Public Speaking
- Responsive Web Design | Analytical mindset
- Cross-Browser Compatibility | Adaptability
- Basic API integration knowledge

CERTIFICATES (<https://www.linkedin.com/in/mittal-garv/>)

- **Meta** Front-End Developer Professional Certificate
- Introduction to the Internet of Things and Embedded Systems By **University of California, Irvine**
- **Oracle** Cloud Infrastructure 2024 Certified Foundations Associate
- **AWS Academy Machine Learning Foundation**
- Master the Fundamentals and Advanced Concepts
- CISCO- Introduction to Cybersecurity
- **AWS Academy Graduate** - AWS Academy Cloud Foundations
- **Mastering Algorithms:** Analysis and Applications

ACHIEVEMENTS

- Solved 250+ coding problems across LeetCode/CodingNinjas in C++/Java.
- Secured **2nd place** in PENTATHON Hackstreet 2.0 hosted by CINTEL's Next-Gen AI and Bajaj Finserv.
- **Build With India Hackathon (2024)** – Selected among **Top 5,000 teams out of 25,000** globally, Finale at **Google Office**, recognized for innovation, teamwork, and technical excellence.
- Secured **First Rank** in Maths Olympiad . (**Gold Medal**)

PROJECTS <https://github.com/GarvMittal04>

- **Smart Agricultural Robot (Agribot) | IoT + Software System**
 - Designed and implemented a robot using Arduino & sensors for automated irrigation.
 - Built a control interface with React.js for real-time monitoring.
 - Applied **SDLC principles**, from requirements gathering to testing.
 - Optimized system reliability by 20% via modular coding & debugging.
- **RFID Gate Opener | Secure Access System**
 - Developed RFID-based access control using Arduino and MySQL database.
 - Integrated a web dashboard (React.js + REST API) for user management.
 - Documented SDLC phases, created test cases, and resolved bugs for deployment readiness.
- **Automatic Railway System**
 - Built an **automated railway crossing prototype** leveraging IR sensors to detect train movement.
 - Improved operational **safety by eliminating human dependency**, enabling **real-time signal & barrier automation**.
- **Heatblast Robot (Fire Extinguisher Bot)**
 - Designed a **robotic fire extinguisher** capable of detecting and suppressing small flames autonomously.
 - Strengthened **safety compliance** for labs/industries by integrating flame sensors and autonomous navigation.
- **Automatic Switch Operator**
 - Implemented a **smart energy-saving system** to automate household appliance control using motion sensors and LDR.
 - Optimized **electricity consumption** by enabling intelligent ON/OFF switching, minimizing wastage.