

# Rudraraj Pandey

Portfolio | LinkedIn | GitHub | Leetcode

Location: Pune, Maharashtra, India

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## CAREER OBJECTIVE

A highly motivated individual with a strong foundation in **Full Stack Development**, **IoT** and **Embedded System**. Experienced in **C++**, **JavaScript**, and **.NET**. Seeking an opportunity to apply my **technical skills** and **problem-solving abilities** to contribute to the organization.

## SKILLS

<b>Languages</b>	: C/C++, C#, SQL, HTML, CSS, JavaScript
<b>Frameworks &amp; Tools</b>	: STL, .NET Core MVC, React.js, Node.js, TailwindCSS, PostgreSQL, NeonDB, Visual Studio Code, Git, GitHub, MS Office, TeXstudio
<b>Core Competencies</b>	: Multithreading, Memory Management, API Integration, Data Structures & Algorithms, OOPs, IoT, Computer Systems, RESTful Web Development, Unit Testing
<b>Professional Skills</b>	: Teamwork, Leadership, Communication, Problem-solving, Collaboration, Adaptability
<b>Certifications</b>	: <a href="#">SQL for Data Science by Coursera</a>   <a href="#">OCI Certified DevOps Professional</a>

## INTERNSHIP

<b>IoT Intern</b> <i>Bharat ACT</i>	June 2024 – August 2024 <i>Hybrid – Pune, Maharashtra, India</i>
<ul style="list-style-type: none"><li>Developed <b>C++ based firmware</b> for IoT systems running on <b>microcontrollers</b>. Implemented <b>network protocols</b> to transmit sensor data securely.</li><li>Worked with <b>real-time data processing</b> and <b>embedded systems development</b>.</li></ul>	
<b>Subject Matter Expert(Freelancer)</b> <i>Chegg India</i>	September 2023 – Nov 2023 <i>Remote</i>
<ul style="list-style-type: none"><li>Assisted students with <b>C++</b> and <b>Java</b>-based problem-solving in competitive coding scenarios.</li><li>Reviewed and optimized <b>SQL queries</b> to improve database performance.</li></ul>	

## EDUCATION

<b>Bharati Vidyapeeth University College of Engineering</b> <i>Bachelor of Technology in Electronics and Communication</i>	Pune, Maharashtra, India 2021 – 2025
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## PROJECTS

<b>Real-Time Chat Application</b>
<ul style="list-style-type: none"><li>Developed a <b>full-stack real-time chat application</b> using <b>ASP.NET</b> with features like instant messaging.</li><li>Implemented <b>JWT-based authentication</b>, <b>private messaging</b>, and <b>user presence tracking</b>.</li><li>Deployed on <b>Azure App Service</b> with automated <b>CI/CD pipelines</b>, and enforced best practices in <b>version control</b>, <b>security</b>, and <b>maintainability</b>.</li></ul>
<b>AI SaaS App: All in One AI</b>
<ul style="list-style-type: none"><li>Built a full-stack <b>AI-powered SaaS platform</b> integrating multiple tools like <b>article writer</b>, <b>blog title generator</b>, <b>resume reviewer</b>, <b>image generator</b>, and <b>object/background remover</b>.</li><li>Used <b>React</b>, <b>TailwindCSS</b>, <b>Node.js</b>, <b>Express.js</b>, and <b>PostgreSQL (NeonDB)</b> with integrations like <b>Google Gemini API</b>, <b>Cloudinary</b>, and <b>ClipDrop</b>.</li></ul>
<b>Handwash Monitoring System</b>
<ul style="list-style-type: none"><li>Developed an IoT-based automatic handwash monitoring system using <b>C++</b> and <b>Arduino Uno</b> to ensure proper hand hygiene and ensure a structured handwashing process.</li><li>The system integrates an IR sensor to detect hand presence, a fingerprint sensor for user authentication, an OLED display for real-time guidance, and a relay-controlled water pump for automated water dispensing.</li></ul>

## EXTRA CURRICULUM ACTIVITIES

<b>Hewlett Packard Enterprise Software Engineering Job Simulation on Forge</b>	June 2025
<ul style="list-style-type: none"><li>Wrote a proposal for a <b>RESTful web service</b> to manage a list of employees.</li><li>Built a web server application in <b>Java Spring Boot</b> that can accept and respond to <b>HTTP requests</b> as well as support uploading JSON data.</li><li>Developed and ran a set of <b>unit tests</b> to assess my <b>Java Spring Boot</b> application's performance.</li></ul>	