

# Krishnan S

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**Links:** [GitHub](#) | [LinkedIn](#) | [Portfolio](#) | [LeetCode](#)

## TECHNICAL SKILLS

|                  |  |
|------------------|--|
| <b>Languages</b> | : JavaScript, Python, Java, C++, C, Haskell  |
| <b>Web Stack</b> | : ReactJS, Next.js, Node.js, Express.js, HTML, CSS, Tailwind CSS                           |
| <b>Databases</b> | : SQL, MongoDB   |
| <b>Dev Tools</b> | : Git, GitHub, VS Code   |
| <b>Concepts</b>  | : REST APIs, Data Structures, Algorithms, Machine Learning, Embedded Systems, Agile, CI/CD |

## EXPERIENCE

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|--|----------------------------------|
| <b>Software Intern</b><br><i>BPCL Kochi Refinery</i>   | May 2025<br><i>Kochi, Kerala</i> |
| <ul style="list-style-type: none"><li>Redesigned a critical <b>E-Register application</b>, improving data accuracy by 25% in refinery operations (15.5 MMTPA crude capacity).</li><li>Built a <b>multi-database report generator</b> integrating SAP ERP and IP21, reducing report preparation time from hours to minutes.</li><li>Authored technical documentation on enterprise systems (SAP, IP21) and refinery network architecture.</li><li>Successfully completed internship with certification of excellence.</li></ul> |                                  |

## EDUCATION

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|---|-------------------------------------|
| <b>Amrita Vishwa Vidyapeetham</b><br><i>B.Tech in Computer Science</i>      | Coimbatore, India<br>2023 – 2027    |
| <b>Cochin Refineries School</b><br><i>Higher Secondary Education, 83.2%</i> | Thiruvaniyoor, India<br>2011 – 2023 |

## PROJECTS

|   |   |
|---|---|
| <b>Soundarya's Boutique   E-commerce Platform</b>   | <i>Next.js 15, MongoDB, Stripe, Twilio</i>  |
| <ul style="list-style-type: none"><li>Developed a full-stack e-commerce application using <b>Next.js 15</b> and <b>MongoDB</b>, integrating <b>Stripe</b> webhooks for real-time order processing and automated inventory updates.</li><li>Built a comprehensive Admin Dashboard featuring <b>Recharts</b> for sales data visualization and <b>jsPDF</b> for generating downloadable order reports (CSV/PDF).</li><li>Implemented role-based authentication via <b>NextAuth</b> and automated WhatsApp marketing campaigns using the <b>Twilio API</b>.</li></ul> |   |
| <b>Eat Right, Feel Bright</b>   | <i>React.js, JavaScript, CSS3</i>           |
| <ul style="list-style-type: none"><li>Developed a gamified learning platform featuring real-time score tracking and interactive audio feedback to reinforce healthy eating concepts.</li><li>Implemented complex state management logic using <b>React Hooks</b> to handle drag-and-drop events, item validation, and dynamic UI updates.</li></ul>   |   |
| <b>NYX – Lost and Found Platform (Ongoing)</b>  | <i>Flutter, Go (Gin), React, PostgreSQL</i> |
| <ul style="list-style-type: none"><li>Building a <b>Flutter-based mobile application</b> for reporting and managing lost-and-found items with secure user authentication.</li><li>Developing a <b>RESTful backend in Go (Gin)</b> to handle business logic, API validation, and PostgreSQL data persistence.</li><li>Actively involved in <b>unit, integration, and system testing</b> of mobile, backend, and admin frontend components to ensure reliability and data integrity.</li></ul>  |   |

## CERTIFICATIONS & REPORTS

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- Internship Certificate – BPCL Kochi Refinery (May 2025)
- Comprehensive Internship Report – BPCL Kochi Refinery
- Google Cloud Fundamentals: Core Infrastructure