

# Praanesh Balakrishnan Nair

Bengaluru, India — +91 9353606438 — praanesh.b.nair@gmail.com  
compileartisan.dev — linkedin.com/in/praanesh-nair — github.com/CompileArtisan

## Technical Skills

- **Languages:** Java, Python, C, JavaScript
- **Web Technologies:** Astro.js, Django, HTML/CSS, REST APIs
- **Machine Learning & AI:** Deep Learning (CNNs), PyTorch/TensorFlow, OpenAI API
- **Development Tools:** Git, GitHub, Linux (Arch), Doom Emacs, Vim, VS Code
- **Technologies & Concepts:** SQL/DBMS, Computer Networks, LaTeX, Org-mode, Data Structures & Algorithms, Object-Oriented Programming

## Education

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| <b>Amrita Vishwa Vidyapeetham, Bengaluru</b><br><i>Bachelor of Technology in Computer Science and Engineering with Artificial Intelligence</i>   | Aug 2023 - Present |
| <ul style="list-style-type: none"><li>• Current CGPA: <b>8.88/10.0</b></li><li>• Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Discrete Mathematics</li></ul> |                    |
| <b>Sri Chaitanya Techno School, Bangalore</b><br><i>Senior Secondary Education (CBSE Board)</i>  | 2021 - 2023        |
| <ul style="list-style-type: none"><li>• Score: <b>83.4%</b> (417/500)</li></ul>  |                    |
| <b>Jaigopal Garodia Rashtrotthana Vidya Kendra, Bengaluru</b><br><i>Secondary Education (CBSE Board)</i>   | 2014 - 2021        |
| <ul style="list-style-type: none"><li>• Score: <b>94.0%</b> (470/500)</li></ul>  |                    |

## Projects

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| <b>CompileArtisan: Personal Portfolio &amp; Blog</b>   | Dec 2024 - Present  |
| <ul style="list-style-type: none"><li>• Developed a personal website using <b>Astro.js</b>, <b>React.js</b>, <b>JavaScript</b> and <b>CSS</b>; deployed on <b>Cloudflare Pages</b></li><li>• Implemented dynamic routing system for Markdown-powered blog posts with optimized content delivery</li><li>• Showcases technical projects, blog articles, and professional experience with responsive design</li></ul>                              |                     |
| <b>Blockchain-Based Communicator with Multicast Transmission</b>   | May 2024 - Nov 2024 |
| <ul style="list-style-type: none"><li>• Engineered a decentralized peer-to-peer communication system using <b>Java</b> with <b>RSA encryption</b> and <b>SHA-256 hashing</b></li><li>• Implemented <b>multicast socket</b> technology to eliminate centralized servers and enable secure local network communication</li><li>• Designed blockchain architecture for message integrity verification and tamper-proof communication logs</li></ul> |                     |
| <b>Notebox: AI-Powered Interactive Classroom Notebook</b>  | Nov 2024            |
| <ul style="list-style-type: none"><li>• Built a full-stack web application using <b>Python (Django)</b>, <b>SQL database</b>, and <b>OpenAI API</b> integration</li><li>• Developed AI-assisted doubt clarification feature that provides contextual explanations for student queries</li><li>• Created timeboxed study material organization system to enhance student learning efficiency and knowledge retention</li></ul>                    |                     |