

# Vishnu Karanth

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## Objective

Computer Science undergraduate specializing in full-stack development and AI/ML, with hands-on experience in building scalable web applications and intelligent data-driven solutions.

## Education

<b>Don Bosco Institute of Technology</b> , Bangalore (Affiliated to Visvesvaraya Technological University) B.E. (Hons.) in Computer Science and Engineering <ul style="list-style-type: none"><li>CGPA: 8.06/10.0</li></ul>	Nov 2021 – Jun 2025
<b>Mangalore Independent PU College</b> Pre-University (PCMC) <ul style="list-style-type: none"><li>Percentage: 73.5%</li></ul>	Jul 2021
<b>The New Cambridge High School</b> SSLC (State Board) <ul style="list-style-type: none"><li>Percentage: 76.80%</li></ul>	May 2019

## Internship and Professional Trainings

<b>Apprenticeship</b> , Pentagon Space – Bangalore, KA <ul style="list-style-type: none"><li>Building complete web applications using Python, Django, HTML, CSS, JavaScript, and MySQL.</li><li>Creating APIs and connecting them to clean, user-friendly interfaces. Performing debugging, testing, and even deploying projects in local and basic cloud setups.</li><li>Collaborating with teammates in a professional environment, using tools like Git and Agile methods.</li></ul>	Mar 2025 – Present
<b>Intern</b> , Rooman Technologies – Bangalore, KA <ul style="list-style-type: none"><li>Trained in full-stack web development, focusing on JavaScript frameworks and backend integration.</li><li>Built responsive, data-driven web apps using JavaScript, RESTful APIs, and front-end/backend integration.</li><li>Applied Git/GitHub and Agile methodologies in collaborative projects.</li><li>Strengthened skills in UI/UX design, state management (Redux), and end-to-end deployment practices.</li></ul>	Nov 2024 – Feb 2025




## Projects

<b>AI-Powered Music Generation Platform</b>   <i>Python, Next.js, Neon, AWS S3</i> <a href="#">Live Demo</a>   <a href="#">GitHub</a> <ul style="list-style-type: none"><li>Developed AI-powered music platform with lyric generation, album cover design, and secure authentication.</li><li>Engineered a modern, responsive front-end with Next.js &amp; Tailwind CSS, and integrated a Python backend on Modal with AWS S3, ensuring seamless performance, reliability, and efficient storage of generated content.</li></ul>	Jul 2025
<b>Multi-Language Online Code Editor</b>   <i>Next.js, Piston API, Convex</i> <a href="#">Live Demo</a>   <a href="#">GitHub</a> <ul style="list-style-type: none"><li>Built a cloud-based IDE with Next.js, Piston API, and Clerk, supporting multi-language coding and secure authentication.</li><li>Enabled real-time code sharing and collaboration using Convex for data sync.</li></ul>	Mar 2025
<b>ConversAI – AI Chatbot</b>   <i>Python, HuggingFace, Cohere APIs</i> <a href="#">GitHub</a> <ul style="list-style-type: none"><li>Built a conversational AI bot in Python by integrating Hugging Face and Cohere APIs, with NLP pre-processing for natural interactions.</li><li>Enabled context-aware conversations and user intent classification to enhance engagement.</li></ul>	Jun 2024

## Technical Skills

**Languages:** Python, Java, JavaScript, SQL, HTML, CSS.  
**Libraries & Tools:** Pandas, NumPy, Matplotlib, Git, Jupyter, React.  
**Web Development:** MERN Stack, Spring Boot, REST APIs.  
**Databases:** MySQL, MongoDB.  
**Coursework:** OOP, Data Structures and Algorithms, Computer Networks, Database Management Systems, Full-Stack Development.

## Certifications

**Docker Foundations Professional Certificate**  – LinkedIn Learning  
**Natural Language Processing**  – VTU - Center of Online Education  
**Cloud Computing**  – VTU - Center of Online Education

## Additional Information

- Served as Class Representative for a period of 3 years.
- Showcased strong communication and leadership abilities.
- Completed Honors Program as a part of B.E. degree.