
Jyothir Raghavalu Bhogi

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Education

Lovely Professional University

2022 – 2026

B.Tech in Computer Science and Engineering, Jalandhar, Punjab

Technical Skills

Languages: JavaScript, Python, C++, Java, DSA

Technologies/Frameworks: Node.js, React, MongoDB, Docker, AWS, GCE, Cloudflare, Expo, AI/ML (OpenAI, Hugging Face, Anthropic)

Tools: Git, Pandas, NumPy, Matplotlib, Docker, Kubernetes, REST APIs

Soft Skills: Problem-Solving, Team Collaboration, Mentorship, Project Management, Agile Development

Experience

Software Engineering Intern

May 2023 – Present

Cipher Schools

- Developed and deployed scalable applications using Node.js, MongoDB, and React.
- Designed REST APIs for seamless communication between front-end and back-end services.
- Integrated AI tooling, such as OpenAI and Hugging Face, into cloud-based applications.
- Implemented Docker and Kubernetes to containerize applications for efficient deployment.
- Collaborated in an Agile development environment, conducting code reviews and pair programming.

Projects

Covid-19 Prediction Model

Aug 2023

- Built an AI-powered forecasting system for Covid-19 trends based on mobility patterns and government policies.
- Used Scikit-learn, Pandas, and cloud computing resources for scalable processing.
- Ensured efficient model deployment using AWS cloud services.

Movie Recommendation System (AI/ML)

Oct 2023

- Designed a recommendation system using machine learning techniques, achieving 85% accuracy.
- Implemented in Python with Scikit-learn, Pandas, and NumPy.
- Optimized performance for large-scale datasets using cloud computing tools.

Open Source Contributions

- Actively contributed to open-source AI/ML projects and repositories.
- Developed and optimized backend services using Node.js and MongoDB.
- Collaborated with teams on GitHub to improve project performance and scalability.
- Led feature development and issue resolution in various open-source projects.

Certifications

- **Data Structures and Algorithms (C, C++)** – Coursera
- **Getting Started with AI and Machine Learning** – LinkedIn Learning
- **Cloud Computing with AWS** – Udemy
- **Full-Stack Web Development with Node.js and React** – Coursera

Additional Experience

- Familiarity with Agile methodologies, Scrum, and CI/CD pipelines.
- Experience with performance optimization tools such as Cloudflare for web applications.
- Passion for crypto AI and decentralized technologies.