

VASANTH BANOTH

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LinkedIn



GitHub

SUMMARY

Motivated Computer Science undergraduate seeking a Software Engineer Internship. Proficient in Python, JavaScript, TypeScript, Java, C++, with hands-on experience developing scalable web applications and backend systems using Docker, React.js, Node.js, Express.js, Flask, FastAPI, and RESTful APIs. Strong in distributed systems, databases, networking, Agile, and CI/CD workflows.

EDUCATION

Indian Institute of Information Technology, Kota (IIITK)

Rajasthan, India

B.Tech in Computer Science and Engineering

2022 – 2026

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, System Design, Database Management, Operating Systems

PROJECTS

FindIt | Python, FastAPI, React, MongoDB, Shell

April 2025

- Developed a cloud-based lost-and-found platform used by **120+ active users**, engineering automated reporting workflows reducing resolution time by **60%**.
- Designed and delivered secure RESTful APIs and responsive UI, increasing user retention rate by **25%** through scalable architecture and automation.
- Automated deployment pipelines using shell scripting and Docker, decreasing deployment time by **50%** and ensuring continuous integration and delivery.

HirePath | React, Next.js, MongoDB, OpenAI

September 2024

- Built an **AI-driven job matching** platform with resume analysis, personalized recommendations, and applicant tracking for **80+ users**.
- Integrated OpenAI GPT-based API to automate candidate feedback, improving job search effectiveness and reducing average search time by **35%**.
- Managed end-to-end MERN stack development, enhancing data integrity and user experience with scalable cloud backend.

LogTrack | Python, Django, PostgreSQL, Docker

June 2024

- Designed and built a logistics tracking system that reduced delivery delays by **15%**, improving customer satisfaction through efficient route optimization.
- Developed predictive analytics models for data-driven resource allocation and operational decision-making using Python and PostgreSQL.

EXPERIENCE & LEADERSHIP

Quills & Stills Club

Sep 2024 – July 2025

Lead, Art and Publishing

- Spearheaded 12-member cross-functional team to launch a digital magazine, growing readership by **30%** in first quarter through strategic digital marketing and content planning.
- Led content strategy and coordinated digital outreach campaigns, increasing social media engagement metrics by **40%**.

Fit India Club

Feb 2023 – Aug 2025

Event Manager & Adviser

- Planned logistics and coordinated operations for 8+ large-scale campus events, driving a **40%** increase in participant attendance using data-driven outreach strategies.
- Implemented process enhancements and communication workflows ensuring flawless execution with zero operational incidents.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, TypeScript, Java

Backend: Node.js, Express.js, MongoDB, REST APIs, MySQL, Flask, Django

Frontend: React JS, Tailwind CSS, HTML, CSS, Next.js

Others: Git, VS Code, Linux/Unix, Docker, MediaPipe, OpenCV, Google Cloud Platform

Coursework: Data Structures and Algorithms, Database Management, Object Oriented Programming, Operating Systems, Machine Learning

CERTIFICATIONS

- The Web Developer Bootcamp (Udemy)** — Full-stack development covering HTML5, CSS3, JavaScript, Node.js, SQL, Web3, and modern web technologies.
- Data Structures and Algorithms Specialization (Coursera)** — Comprehensive study of data structures, algorithms, and efficient coding practices for scalable software development.
- Become a Product Manager (Udemy)** — Comprehensive strategic planning, market research, roadmap development, stakeholder management, and cross-functional collaboration with business analysis focus.