

BHAVESH BUDHARAJU

Bengaluru, Karnataka

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PROFILE

Computer Science and Engineering student at PES University, Bengaluru, with strong problem-solving skills. Seeking internships to leverage expertise in Software Development and Data Engineering. Passionate about building scalable systems and eager to learn new technologies.

Languages:

- English
- Telugu
- Hindi
- Kannada

EDUCATION

PES University

Computer Science and Engineering (B.Tech) - CGPA - 9.09

05-12-2022 – 01-07-2026

Bengaluru, India

Awarded the MRD (top 5% of students) and CNR (top 20% of students) for academic excellence.

EXPERIENCE

PES University

01-07-2025 – Present

Teaching Assistant - Big Data

Bengaluru, India

- Teaching Assistant for Big Data course, conducting lab sessions on Hadoop, Kafka, and distributed computing
- Mentor students on projects and assignments.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, JavaScript

Web Development: React.js, Node.js, Express.js, Next.js, Tailwind CSS

Databases & Storage: SQL, MongoDB, PostgreSQL, AWS S3

Big Data & Cloud: Hadoop, Kafka, Spark, Docker, ElasticSearch, Kibana

Developer Tools: Git, VS Code, Linux, Docker

Core Coursework: Data Structures & Algorithms, Machine Learning, Big Data, Web Development, Cloud Computing, Computer Networking, Operating Systems

ACHIEVEMENTS

Amazon ML Challenge 2024

09 2024

- Secured top 100 position out of 22,000 teams
- Task: Extract entity values (weight, dimensions, wattage, voltage etc) from 400,000 product images
- Developed solutions to process and analyze a large-scale image dataset efficiently

Flipkart GRiD 7.0 National Semi-Finalist

06 2025

- Reached the National Semi-Finals of Flipkart GRiD 7.0, a nationwide engineering competition.
- Earned recognition and an official certificate from Flipkart Early Careers.

PROJECTS

Serverless Function Execution Platform

04 2025

- Built a serverless compute platform that executes user-uploaded Python/JavaScript functions using Docker containers and Nanos unikernels on demand.
- Implemented secure auth (NextAuth) with OAuth (Google, GitHub), email verification (Resend), and password reset.
- Stored function metadata in PostgreSQL and code in AWS S3; exposed HTTP endpoints for function execution with output, errors, and performance metrics.

Distributed Logging System

11 2024

- Log Collection, Centralization and Aggregation from different Microservices.
- Integrated Kafka for real-time log streaming across multiple services. Designed an alerting mechanism and visual analytics using Kibana.

Digital Asset Distribution Platform

07 2025

- Architected a multi-tenant SaaS enabling creators to monetize digital content .
- Built secure file delivery system with access controls and real-time payment processing using Stripe integration.
- Implemented vendor subdomains, custom merchant storefronts, product reviews, and role-based admin dashboard with Payload CMS.