Nikhil Gumasthi

Phone No: 8668579924
Email: nikhilbg@iitbhilai.ac.in
LinkedIn: Nikhil Gumasthi

Profile

Software Developer with entry-level experience specializing in user interface design, application development, and automation. Adept at identifying opportunities to enhance the user experience and develop new features to improve app functionality.

Key Skills

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1. Frontend: ExtJs • JavaScript • CSS • Bootstrap • HTML
2. Backend: Spring Boot • Java • Flask • Python • C++ • C
3. Database: MySQL • PostgreSQL • MongoDB
4. Automation and others: Jenkins • Git • Selenium • Docker

Professional Experience

Junior Software Developer, Enkin Lab India Private Ltd, Pune, India
Jan 2022 – July 2022

• Worked as a software developer by contributing to multiple projects which involve creating CRON jobs, Setting up Continuous Integration by building Jenkins Pipeline for automation, front end designing, creating multiple APIs in spring boot and creating an extension for web browser in order to achieve project milestones.

Teaching Assistant, IIT Bhilai, Raipur
September 2022 – Current

Responsibility as a TA for the following courses

• IC100 (Programming in C)
• CS100 (Software tools and technologies – Linux, Git, HTML, CSS and JavaScript)
• CS301 (Computer Networking)
• CSL605 (Networking lab and Cybersecurity)
• TPL612 (Mobile and Wireless Networking)

involves teaching the students core concepts, resolving their doubts and preparing assignments.

Educational Qualification

Masters of Technology | IIT BHILAI, Raipur
Computer Science Engineering
Current CGPA: 8.61

Bachelors of Technology | G.H.R.I.E.T, Pune
Computer Science Engineering
CGPA: 7.4

High Secondary Education | Sinhgad City School, Pune
Percentage: 88. 40%

Academic Projects

• **BTech project CSE**
 1. Third Year Project: An advanced library management system project for our college, designed to efficiently organize and maintain book information through the integration of JavaFX and MySQL. The primary aim is to streamline the book and magazine tracking process, reducing the reliance on manual efforts.
 2. Final Year Project: Undertaking the enhancement of a Load Balancing algorithm by incorporating elements of the K-means algorithm, fuzzy logic, and prioritized task scheduling. This research is conducted under the guidance of Dr. Pankaj Tripathi at G.H.I.R.I.E.T.

• **MTech project CSE (under the supervision of Dr. Anand Baswade)**
 1. A Hybrid Channel Access Mechanism for NR-U to Improve the Coexistence Performance.
    A hybrid trade-off mechanism in to enhance fairness and efficiency in channel access and utilization.

 2. Priority-based MPTCP Scheduler for 5G and Beyond Heterogeneous Links.
    A MPTCP scheduler for devices having dual connectivity in sub-6 GHz and mmwave band.

Languages

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Hindi, Marathi, English, Telugu

Extra-Curricular activities

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Participated in multiple extracurricular activities as a [volunteer](#).